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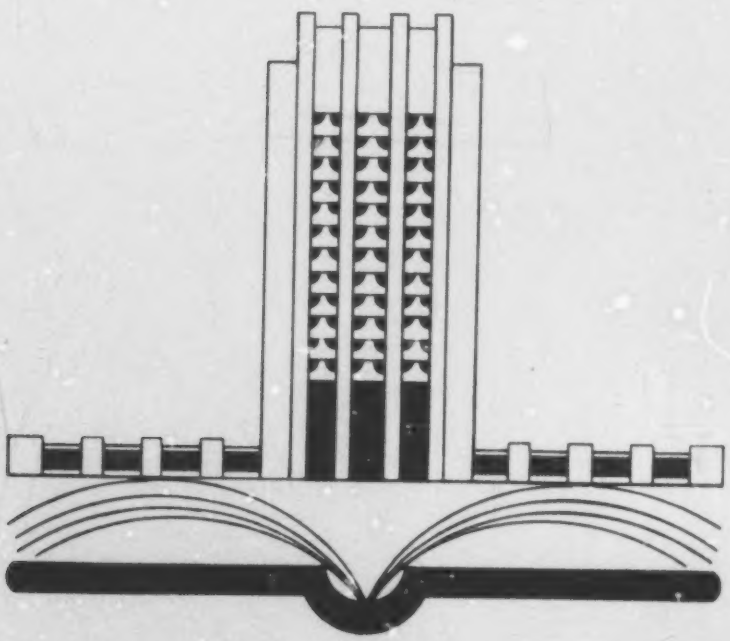

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INFORMATION NEEDS IN AGRICULTURE

SEARCH STRATEGY

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0001
Adequacy of food labeling for consumers on limited sodium diets.
Wyatt, C. Jane. Chicago, Institute of Food Technologists. Journal of food science. Mar/Apr 1980. v. 45 (2). p. 259-261. charts. 11 ref. (NAL Call No.: 389.8 F7322).
Abstract: The current labeling of processed foods to indicate sodium content may not provide adequate information even to consumers who read labels. A survey of 40 individuals on sodium restricted diets, conducted by personal interview, indicated that most subjects select foods on the basis of preferences, dislikes, price or fat content, rather than sodium content. Although 70.8% did read labels, only 29.2% felt that information on the label gave suitable information on which to decide whether the food met dietary restrictions. The words "sodium" and "salt" had the same meaning for 66.7% of subjects; salt was the word most frequently looked for in the ingredient statement. A large percentage of subjects were unable to identify many items containing high levels of sodium and none could estimate daily sodium intake. These findings suggest that this group may not have diets low in sodium. Greater nutrition awareness is needed.

0002
Adjustable rate mortgages: consumer information needs and recent developments.
XAEEA. Summers, C.E. Hyattsville : The Service. Family economics review - U.S. Department of Agriculture, Agricultural Research Service. 1985. (4). p. 4-9. Includes references. (NAL Call No.: DNAL aTX326.A1U5).

0003
Advancing the usefulness of forest surveys.
Sheffield, R.M. Bethesda, Md. : The Society. Proceedings of the...Society of American Foresters National Convention. 1986. p. 321-324. (NAL Call No.: DNAL SD143.S64).

0004
Agricultural information needs and services to developing countries /prepared by Jose-Marie Griffiths and Jane Kinney. --.
Griffiths, Jose-Marie. ; Kinney, Jane. Rockville, Md. : King Research, 1985? . "August 1985."~ "Submitted to ... Office of Agriculture, S&T/AGR, Bureau for Science and Technology, Agency for International Development, Washington, D.C.". 1 v. (various foliations) ; 28 cm. (NAL Call No.: DNAL S494.5.I47G7).

0005
Agricultural labor needs in the 1980s.
Smith, L.W. ; Coltrane, R. Washington, The Service. ESS staff report - U.S. Dept. of Agriculture, Economics and Statistics Service. Jan 1981. Jan 1981. (AGESS810113). 22 p. charts. 17 ref. (NAL Call No.: 916762(AGE)).
Abstract: The changing structure of agriculture has had important effects on labor use and the composition of the farm work force. The number of family workers has consistently declined since the early 1900s, but hired farm employment stabilized during the 1970s after years of decline. Data indicate that there are two distinct groups of hired farmworkers--those who are engaged in farmwork on a casual or seasonal basis and those who are more dependent on hired farmwork for their livelihood and family support. Some policy issues relate to both groups, but the primary target for farmworker policy should be the group most dependent on agriculture for family income.

0006
Agricultural record systems and the information needs of farmers and lenders.
Jones, B.L.AGRFA. ; Sonka, S.T.~Mazzocco, M.A. Washington, D.C. : The Service. Agricultural finance review - United States Dept. of Agriculture, Economic Research Service. Oct 1982. Available from NTIS, order no. PB83-103689. v. 42. p. 40-45. Includes 2 references. (NAL Call No.: 1.9 EC78AF).
Extract: Agricultural accounting is a major source of data for evaluating the economic performance of farm units and the agricultural sector as a whole. As interested data users adjust the scope of their analyses, their data needs change. These changes are in turn translated into adjustments in the accounting systems which gather relevant information. This report uses three surveys to identify how users of accounting systems have influenced the structure of those systems. The survey results indicate probable directions agricultural accounting will follow given the unsatisfied needs of report users.

0007
Agricultural trade research and information needs conditions and challenges : a report /prepared by the American Agricultural Economics Association, Trade Policy Task Force.
Ames, Iowa : The Association, 1985 . Series and date from label mounted on t.p.~ "November 1985.". 32 p. : ill. ; 28 cm. Bibliography: p. 31-32. (NAL Call No.: DNAL HD1410.6.U5A44).

0008
Agricultural user populations and their information needs in the industrialized world.
Russell, H.M. London : The Association. Quarterly bulletin of the International Association of Agricultural Librarians and Documentalists. 1983. v. 28 (2). p. 40-52. Includes references. (NAL Call No.: 243.9 IN84Q).

0009
Agricultural water modeling and economic information needs under the Model Water Code.
WARBA. Lynne, G.D. Minneapolis, Minn. : American Water Resources Association. Water resources bulletin. Feb 1988. v. 24 (1). p. 95-101. Includes references.

(NAL Call No.: DNAL 292.9 AM34).

0010
Agricultural weather information needs--present and future.
Bartholic, J.F. Washington, U.S. Dept. of Agriculture. ProceedingsAgricultural Outlook Conference, Washington, D. C. 1978 (pub. 1979). 1978 (pub. 1979). p. 159-166. ill. (NAL Call No.: 1.90 C20U8).

0011
Animal health and production management services on individual properties in south-eastern Australia.
Allworth, M.B. ; Grant, I.M.~Watts, T.J.~Morley, F.H.W.~Caple, I.W. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 80-82. Includes references. (NAL Call No.: DNAL 49.9 AU72).

0012
Aphid-control advice to farmers and the use of aphid-monitoring data.
CRPTD6. Tatchell, G.M. Guildford, Eng. : Butterworths. Crop protection. Mar 1985. v. 4 (1). p. 39-50. maps. Includes references. (NAL Call No.: DNAL SB599.C8).

0013
Applied economic and behavioral science information needs of the 1980's: a perspective from the U.S. Army Crops of Engineers (Water resources, recreation management).
Hansen, W.J. Corvallis, O., The Station. Special report - Oregon Agricultural Experiment Station. Apr 30, 1981. v. 110 (2). p. 63-73. 4 ref. (NAL Call No.: 100 OR3M).

0014
Appraisal of hydrologic information needed in anticipation of lignite mining in Lauderdale County, Tennessee / by William S. Parks ; prepared in cooperation with the Tennessee Department of Conservation, Division of Geology. -.
Parks, William S. (William Scott). Memphis, Tenn. (204 Federal Office Building, Memphis, Tenn. 38103) U.S. Geological Survey, Water Resources Division Springfield, Va. available from N.T.I.S. 1981. "PB81-239428.". vi, 67 p. : ill., maps ; 28 cm. --. Bibliography: p. 64-67. (NAL Call No.: GB705.T2P37 1981).

0015
An approach to the information needs of a ministry of livestock.
Chema, S. ; James, A.D. Farnham Royal, Slough, England : Commonwealth Agricultural Bureaux, c1984. Advancing agricultural production in Africa : proceedings of CAB's First Scientific Conference, Arusha, Tanzania, 12-18 February 1984 / edited by D.L. Hawksworth. p. 282-285. (NAL Call No.: DNAL S472.A1C65).

0016
Assisting small apparel and textile manufacturers in New York State: the potential for university-based programs.
McDowell, J.E. ; Hester, S.B. Monument, Colo. : Association of College Professors of Textiles and Clothing, Inc. Clothing and textiles research journal. Fall 1986. v. 5 (1). p. 42-46. Includes references. (NAL Call No.: DNAL TS1300.C54).

0017
Biomass information--an industry prospective.
Todd, G.D. ; Fox, B.E. Asheville, N.C. : USDA Forest Service, Southeastern Forest Experiment Station, 1984. Proceedings of the 1983 Southern Forest Biomass Workshop : fifth annual meeting of the Southern Forest Biomass Working Group, Charleston, South Carolina, June 15-17, 1983 / edited by R.F. Daniels and. p. 41-43. Includes references. (NAL Call No.: DNAL aTP324.S6 1984).

0018
Biotechnology and international development: prospects for overcoming dependence in the information age.
Buttel, F.H. ; Kenney, M. Basingstoke : Macmillan in association with Policy Studies Organisation, 1987. Public policy and agricultural technology : adversity despite achievement / edited by Don F. Hadwiger and William P. Browne. Literature review. p. 109-121. Includes references. (NAL Call No.: DNAL S541.P8).

0019
The case for and components of a probabilistic agricultural outlook program.
Nelson, A.G. College Station, Tex., Western Agricultural Economics Association. Western journal of agricultural economics. Dec 1980. v. 5 (2). p. 185-193. 36 ref. (NAL Call No.: HD1750.W4).
Extract: An operational program to develop and disseminate probabilistic outlook information for agricultural commodities would allow decision makers to better comprehend the degree of uncertainty associated with future prices. While there are psychological limitations to the estimation of probabilities, this is a skill that can be taught and developed, particularly among experienced forecasters such as outlook specialists. The components of a program to develop and disseminate outlook probabilities should include a survey of user needs, training programs for participating outlook specialists, and user educational programs.

0020
Case study of food and nutrition information requirements of the Washington state school meals program / Ena Simpson (and) Patrick D. J. Rae. -.
Simpson, Ena. ; Rae, Patrick D. J. Olympia Washington State Library 1971. 86 l. (NAL Call No.: TX364 S56 F&N E-3328).
Abstract: Personnel in school meals

programs need information which supports their efforts in providing nutritious foods and nutrition education to school children. This need was examined in a case study of 10 Washington school districts. Findings demonstrated unevenness and inadequacy in distribution of food preparation information throughout the districts; the supply of available nutrition education materials was very limited. Training programs for food service staff were also necessary. Interest was demonstrated for curriculum development in nutrition education for grades K-12. Recommendations stressed national implementation of an organized distribution system for information dissemination (microfiche); food service training; nutrition education training for teachers; and most important, better communication and community understanding of school food service programs.

0021
Catering to the information needs of extension workers.
Bernardo, F.A. Manila, The Association. Papers - International Association of Agricultural Librarians and Documentalists World Congress. 1980. 1980. (6th,pt.a). p. P/2.1-P/2.9. (NAL Call No.: Z675.A9I53).

0022
Catering to the information needs of extension workers.
Bernardo, F.A. Los Banos, Laguna, Philippines : Agric Libr Assoc of Philippines, Agric Inf Bank for Asia, 1981. Proceedings of the VIth World Congress of the International Association of the Agricutural Librarians and Documentalists : agricultural information to hasten development : Held 3-7 March 1980, Manila, Philippines. p. 13-19. (NAL Call No.: DNAL Z675.A9I53 1980).

0023
Changing rural development data needs.
Bonnen, J.T. ; Nelson, G.L. Lexington, Ky., American Agricultural Economics Association. American journal of agricultural economics. May 1981. v. 63 (2). p. 337-345. 19 ref. (NAL Call No.: 280.8 J822).
Extract: It is the conclusion of this paper that the inadequacies of the rural data base are part of a complex problem of circular causation. The lack of coherence that characterizes the current data base is due to a lack of coherence in rural development policy itself. The specification of data needs and design always arise out of use.

0024
Changing rural development data needs: discussion.
Emerson, P.M. Lexington, Ky., American Agricultural Economics Association. American journal of agricultural economics. May 1981. v. 63 (2). p. 361-362. 3 ref. (NAL Call No.: 280.8 J822).

0025
Closing the communications gap.
WSWPA. Kolb, R. Reno, Nev. : The Society. Proceedings - Western Society of Weed Science. 1987. v. 40. p. 8-12. (NAL Call No.: DNAL 79.9 W52).

0026
Closing the loop: helping farmers make better use of weather data.
UTSCB. Bingham, G.E. ; Ashcroft, G.L. Logan : The Station. Utah Science - Utah Agricultural Experiment Station. Summer 1986. v. 47 (2). p. 52-55. ill. (NAL Call No.: DNAL 100 UT1F).

0027
Coastal zone management information needs: potential Landsat applications (Islands, transitional and intertidal areas, salt marshes, wetlands, beaches, remote sensing, Louisiana).
Zetka, E.F. Ankeny, Iowa : Soil Conservation Society of America, c1982. Remote sensing for resource management / edited by Chris J. Johannsen and James L. Sanders. p. 111-122. ill., maps. 20 ref. (NAL Call No.: G70.4.R457).

0028
Cold region vegetation information needs from the perspective of wildlife and fisheries.
Lent, P.C. Bethesda, Md. : Society of American Foresters, c1984. Inventorying forest and other vegetation of the high latitude and high altitude regions : proceedings, Society of American Foresters Regional Tech. Conf., 23-26 July 1984, Fairbanks, Alaska / ed. V.J. p. 20-27. ill. Includes references. (NAL Call No.: DNAL SD551.S64 1984).

0029
Comments on the current and projected timber reource and wood use situation in the South and multiresource inventories--meeting future information needs.
Layman, H.F. Madison, Wis., Forest Products Research Society, 1980. Timber supply : issues and options : proceedings. p. 70-71. (NAL Call No.: SD435.T550).

0030
Communicating animal welfare issues to the investigator: an institutional newsletter.
Doris, P.A. Bethesda, Md. : The Center. Newsletter - Scientists Center for Animal Welfare. Spring 1988. v. 10 (1). p. 6, 15. (NAL Call No.: DNAL QL55.N48).

0031
The communication of scientific information in international agricultural development.
De Datta, S.K. ; Cowell, R.L. Los Banos, Laguna, Philippines : Agric Libr Assoc of Philippines, Agric Inf Bank for Asia, 1981. Proceedings of the VIth World Congress of the International Association of the Agricutural Librarians and Documentalists : agricultural information to hasten development : Held 3-7 March 1980, Manila, Philippines. p. 3-11. Includes

references. (NAL Call No.: DNAL Z675.A9I53 1980).

0032
Communication strategies to accelerate agricultural technical transfer.
Ray, H.E. Morrilton, AR : Winrock International, 1985 . International agricultural programs and agricultural communications : proceedings from a February 13-15, 1985, national conference, St. Louis, Missouri / Mason E. Miller, editor p. 111-123. Includes references. (NAL Call No.: DNAL S494.5.C6I56).

0033
A comparative evaluation of the consumer information catalog in four presidential administrations.
Ackerman, N. S.l. : The Conference . Papers of the Western Region Home Management Family Economics Educators : annual conference. Paper presented at a conference on "Investing in Human Capital," November 13-15, 1986, Miyako Hotel, San Francisco, California. 1986. v. 1. p. 71-76. Includes references. (NAL Call No.: DNAL TX5.W47).

0034
A comprehensive approach to monitoring in management systems for forest pests.
FECMDW. Waters, W.E. Amsterdam : Elsevier. Forest ecology and management. May 15, 1986. v. 15 (1). p. 3-21. Includes references. (NAL Call No.: DNAL SD1.F73).

0035
A computer-assisted personnel data system for a hospital department of dietetics. I. Development of the data base.
Shick, Gay L. ; Hoover, Loretta W.-Moore, Aimee N. Chicago, The Association. JournalAmerican Dietetic Association. Apr 1979. v. 74 (4). p. 448-453. charts. 7 ref. (NAL Call No.: 389.8 AM34).
Abstract: A personnel data base for a hospital dietetics department was designed to streamline record-keeping and satisfy demands for information through computer processing. The eight objectives were to accommodate the different status of employees, develop a security system, define transactions to maintain the data base, allow automatic computation of vacation and other off-duty time, include an audit trail, maintain an historical record of employees, provide for retrieval of information via a cathode ray tube, and incorporate a file management system for non-repetitive report preparation with a minimum of programming effort. Eight programs were written to edit input data, sort and process transactions, and provide back-up systems for the files.

0036
Conserving soil: economic insights.
JSWCA3. Fletcher, J.J. Ankeny, Iowa : Soil Conservation Society of America. Journal of soil and water conservation. Sept/Oct 1986. v. 41 (5). p. 304, 309-310. ill. (NAL Call No.: DNAL 56.8 J822).

0037
Conserving soil: sociological insights.
JSWCA3. Lovejoy, S.B. ; Napier, T.L. Ankeny, Iowa : Soil Conservation Society of America. Journal of soil and water conservation. Sept/Oct 1986. v. 41 (5). p. 304-308. ill. (NAL Call No.: DNAL 56.8 J822).

0038
Constructing good questionnaires.
Maher, John H. Jr. ; Kur, C. Edward. Madison : American Society for Training and Development, Training and development journal. June 1983. v. 37 (6). p. 100, 102-108, 110. ill. Includes 2 references. (NAL Call No.: BF636.T7).
Abstract: There are 3 issues which should be addressed before attempting to design a questionnaire: 1) Does a suitable questionnaire already exist? 2) Is the information needed general or specific in nature? 3) Should the questionnaire be open-ended or closed-ended? Eight steps involved in constructing a questionnaire are: Determine what information is required. Design a response format (checklists, 2-way questions, multiple-choice, or ranked). Be aware of the respondents' frame of reference. Write the questions (a 6-step guideline is included). Develop a summary sheet (this helps eliminate unnecessary questions). Test and revise the questionnaire. Assemble the questionnaire. Distribute the questionnaire. Preciseness is necessary if answers are to be meaningful. (kbc)

0039
Consumer awareness and use of unit pricing.
Price, C.C. Washington, The Service. ESCS - U.S. Dept. of Agriculture, Economics, Statistics, and Cooperatives Service. Aug 1978. Available from NTIS - order no. PB 284-084/AS. Aug 1978. (30). 26 p. Includes ref. (NAL Call No.: aHD1751.U56).

0040
Consumer demand, grades, brands, and margin relationships.
Berck, P. ; Rausser, G.C. Berkeley : The Station. Working paper - Giannini Foundation of Agricultural Economics, California Agricultural Experiment Station. July 1980. July 1980. (123). 31 p. Includes 19 references. (NAL Call No.: 916970(AGE)).
Extract: The purpose of this paper is to investigate the markets for graded and branded products with less than perfect information and competition and with an emphasis on prediction. Section 2 presents the theory of demand under product uncertainty and grading. It finds that uncertainty has an ambiguous effect on demand so that provision of information through branding may or may not increase demand. Under grading without uncertainty, there are more definitive results. a grade boundary-sensitive, estimable, demand system is presented. Comparative statics in this system show that there are

producer profit-maximizing grading schemes. Section 3 examines equilibrium in a branded market with imperfect competition and uncertainty about consumers' demand.

0041
Consumer information programs--how do food processors evaluate them.
Blodgett, C. William. ; Leinen, Norbert J. Chicago, Putnam Publishing Co. Food processing. May 1980. v. 41 (5). p. 32-34,36. ill. (NAL Call No.: 389.8 F7325).
Abstract: The food processing industry investigated consumer information programs by reviewing literature and consumer research and by interviewing experts in the field of consumer information materials. Consumer attitudes toward business were explored, revealing that there is need for better communication, more concern for consumers, and greater response to consumer needs. Food manufacturers are regarded by the public as making large profits and are thus the prime target for consumer movements. Consumers are most interested in better nutrition for less money. The programs sponsored by food processors are still embryonic, and provide room for growth in the field of consumer communication as an integral part of marketing and advertising activities in food processing companies.

0042
Consumers and food labels.
Hager, C.J. Washington, The Service. National food review NFR - U.S. Dept. of Agriculture, Economics, Statistics, and Cooperatives Service. Summer 1979. Summer 1979. (7). p. 37. (NAL Call No.: aHD9001.N275).

0043
Consumers and food shopping aids.
Brown, J. ; Weimer, J. Washington, The Service. National food review NFR - U.S. Dept. of Agriculture, Economics, Statistics, and Cooperatives Service. Summer 1979. This paper summarizes report titled "Consumer attitudes toward food labeling and other shopping aids" which is available from the authors. Summer 1979. (7). p. 34-36. (NAL Call No.: aHD9001.N275).

0044
Container seedling production: information needed and how to get it (Greenhouse nursery for forest trees).
Tinus, R.W. Orono.
ProceedingsNortheastern Forest Tree Improvement Conference. 1977. 1977 (25th). p. 16-34. ill. 14 ref. (NAL Call No.: 99.9 N8123).

0045
Contract price reporting for fruits and vegetables.
Armbruster, W.J. ; Helmuth, J.W. Washington, D.C., The Department. Agricultural economic report - United States Dept. of Agriculture. Apr 1981. Apr 1981. (467). 27 p. Includes ref. (NAL Call No.: A281.9 AG8A).
Extract: Forward contracts are commonly consummated in private transactions, and little information about price and other terms of trade is made available to other sellers and buyers. Lack of such information can contribute to market inefficiencies. This report considers the possibilities for providing this type of information about fruit and vegetable contracts through the Federal-State market news program, administered by the U.S. Department of Agriculture Agricultural Marketing Service.

0046
Cotton research validation in Mississippi, 1978.
Marsh, C.H. ; Seale, R.D. Mississippi State, The Station. AEC M.R. - Mississippi Agricultural and Forestry Experiment Station. Mar 1979. Mar 1979. (83). 130 p. (NAL Call No.: 100 M69MR).

0047
County traffic patterns and prospects for change.
Hamlett, C.A. ; Pautsch, G.R.~Baumel, C.P. New York : Praeger, 1986. Financing local infrastructure in nonmetropolitan areas / edited by David L. Chicoine and Norman Walzer. p. 93-108. Includes references. (NAL Call No.: DNAL HE355.3.R85F56).

0048
Criteria for selecting instructional materials for nutrition education / Education Service Center.
Lubbock, Tex. Education Service Center 1979. 13 leaves. (NAL Call No.: TX364.C73 F&N E-3592).
Abstract: A question format defines criteria which enable nutrition educators to select instructional materials which ideally suit their needs and objectives. Questions are categorized under these criteria: content accuracy; scope and sequence; compatibility with learner needs; compatibility with teacher needs; degree of student-teacher involvement; environmental factors; flexibility/adaptability; cost; and, general features. These questions stimulate the user to think carefully and critically when selecting materials for nutrition education. Cautions in choosing appropriate materials are suggested, and a ratings chart helps the educator make a final decision on using the materials.

0049
Critical information needs for machinery use and design.
AGENA. Schramm, H.J. St. Joseph, Mich. : American Society of Agricultural Engineers. Agricultural engineering. Jan/Feb 1988. v. 69 (1). p. 10-13. ill. (NAL Call No.: DNAL 58.8 AG83).

0050
Crop production management with expert systems.
Smith, R.D. ; Barrett, J.R.~Peart, R.M. St. Joseph, Mich. : The Society. American Society of Agricultural Engineers (Microfiche collection). Paper

presented at the 1985 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1985. (fiche no. 85-5521). 12 p. (NAL Call No.: DNAL FICHE S-72).

0051
Data capture in forestry research and management.
SAFJB. Versfeld, D.B. Pretoria : South African Forestry Association. South African forestry journal = Suid-Afrikaanse bosboutydskrif. Paper presented at the "Seminar on Information Management in Forestry," Nov 15-16, 1984, Stellenbosch. Mar 1985. (132). p. 36-39. ill. Includes references. (NAL Call No.: DNAL 99.9 S082).

0052
Data needs, time and economics in riparian management decisions.
Jacobs, J.J. Laramie, Wyo. : The Center, 1986 . Wyoming Water 1986 and Streamside Zone Conference : proceedings : Wyoming's water doesn't wait while we debate : Casper, Wyoming, April 28-30, 1986 / sponsored by Wyoming Water Res Cent and UW Agric Ext Serv, Univ of WY. p. 149-154. Includes references. (NAL Call No.: DNAL GB565.W8W9 1986).

0053
The "data-rich but inform ion-poor" syndrome in water quality monitoring.
EMNGD. Ward, R.C. ; Loftis, J.C.~McBride, G.B. New York : Springer International. Environmental management. May 1986. v. 10 (3). p. 291-297. Includes references. (NAL Call No.: DNAL HC79.E5E5).

0054
Decision frame and information need of forest inventory and planning--a retrospective view. Entscheidungsfeld und Informationsbedarf der Forsteinrichtung--ein Ruckblick. German.
Roeder, A. Hannover, W. Ger. : M. & H. Schaper. Forstarchiv. Nov/Dec 1983. v. 54 (6). p. 237-239. ill. Includes references. (NAL Call No.: 99.8 F7723).

0055
Developing human dimensions in New York's wildlife research program.
NAWTA. Mattfeld, G.F. ; Decker, D.J.~Brown, T.L.~Free, S.L.~Sauer, P.R. Washington, D.C. : Wildlife Management Institute. Transactions of the ... North American Wildlife and Natural Resources Conference. 1984. (49th). p. 54-65. Includes references. (NAL Call No.: DNAL 412.9 N814).

0056
Development of management on small farms. Bedrijfsontwikkeling en kleine bedrijven. Dutch.
BDWKA. Somers, B.M. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Jan 1986. v. 17 (1). p. 2-5. ill. (NAL Call No.: DNAL S11.B43).

0057
Diabetes without fear / Joseph I. Goodman with W. Watts Biggers. -.
Goodman, Joseph Irving, 1908-. ; Biggers, W. W. New York Arbor House 1978. Includes index. 198 p. Bibliographical references: p. 183-194. (NAL Call No.: RC660.G6 F&N B-2640). Abstract: The informed diabetic who understands the medical facts of his disease can live a positive and normal life. This common-sense and optimistic approach to diabetes is emphasized in a text designed to educate diabetes patients. All aspects of diabetes are presented from a scientific standpoint with practical advice on diabetic control. Myths and misinformation concerning diet, marriage, diabetes in children, complications, heredity and insulin are discussed in relation to the real responsibilities of diabetic management. Newly diagnosed patients and their families often develop unrealistic fears and emotional problems due to lack of accurate information. The primary objective of the text is to overcome these causes of diabetic neurosis with diabetic education. A positive attitude, vital to the proper treatment of this disease, is encouraged by progress in research toward discovery of the cause and cure for diabetes.

0058
The dilemma of agricultural economists: discussion.
Daniel, R. Ames, Iowa : American Agricultural Economics Association. American journal of agricultural economics. Dec 1983. v. 65 (5). p. 891-892. (NAL Call No.: 280.8 J822).

0059
The dilemma of agricultural economists: discussion.
Bonnen, J.T. Ames, Iowa : American Agricultural Economics Association. American journal of agricultural economics. Dec 1983. v. 65 (5). p. 889-890. (NAL Call No.: 280.8 J822).

0060
Do the information needs of farm women change?. Verandert de behoefte aan voorlichting voor agrarische vrouwen?. Dutch.
BDWKA. Kloosterboer-Buseman, J.A. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Mar 1986. v. 17 (3). p. 80-82. ill. (NAL Call No.: DNAL S11.B43).

0061
Drainage potential and information needs.
XAMPA. Daugherty, A.B. ; Lewis, D.G. Washington, D.C. : The Department. Miscellaneous publication - U.S. Department of Agriculture. Dec 1987. (1455). p. 137-143. Includes references. (NAL Call No.: DNAL 1 AG84M).

0062
Economic information for the U.S. farm sector: a revised format.
Nicol, K. Washington, D.C., The Service, ESCS staff report - U.S. Dept. of Agriculture, Economics, Statistics, and Cooperatives Service. Aug 1980. Aug 1980. 39 p. (NAL Call No.: 916762(AGE)).
Extract: A new set of accounts have been developed to facilitate subsector comparisons of the farm production sector. Concepts and term definitions of the new accounts are given in the first part of this publication.. A description of the accounts, namely asset, asset flow, production transaction, cash transactions and farm operator accounts, follow. Some disaggregations proposed are geographic distribution, size distribution, and farm type distribution.

0063
Economic information needs of farmers / Kenneth R. Bolen. -.
Bolen, Kenneth R. (s.l : s.n.) 1979. Sponsored by the Economics, Statistics, and Cooperatives Service and the Science and Education Administration-Extension of the U.S. Dept. of Agriculture. 74 leaves forms ; 28 cm. Bibliography leaf 39. (NAL Call No.: HD1761.B6).

0064
Economic statistics for agriculture: reactions and comments.
Bonnen, J.T. East Lansing, Mich., The Department. Agricultural economics staff paper - Michigan State University, Dept. of Agricultural Economics. July 26, 1981. July 26, 1981. (81-65). 5 p. 3 ref. (NAL Call No.: 918134(AGE)).

0065
The effect of asymmetrically held information and market power in agricultural markets.
Perloff, J.M. ; Rausser, G.C. Berkeley : The Station. Working paper - Giannini Foundation of Agricultural Economics, California Agricultural Experiment Station. (1983?). (1983?). (264). 20 p. Includes 13 references. (NAL Call No.: 916970(AGE))
Extract: In this paper, we present a number of illustrative examples which suggest that large processing or exporting firms are likely to possess asymmetric information and market power. These examples motivate the specification of a theoretical model which is presented in section II. This model generalizes the previous literature by not only admitting a symmetric information but also market power. The social welfare implications and distributional impacts of improved information are examined. Finally, some concluding remarks are presented.

0066
The Effect of information on consumer and market behavior / edited by Andrew A. Mitchell.
; Mitchell, Andrew A.,~ 1939-. Chicago American Marketing Association 1978. Proceedings of a workshop sponsored by Carnegie-Mellon University and the American Marketing Association, May 20-21, 1977. 112 p. Includes bibliographies. (NAL Call No.: HF5415.3.E3 F&N E-3715).
Abstract: In order to understand how the market system provides information to buyers, the effect of information on consumer and market behavior is examined from the perspectives of economics, consumer psychology, and public policy. Economic analyses of information transmission and advertising are presented. Effects of different types of information on the behavior of firms, and information search strategies which consumers use to extract information from mass media advertisements are evaluated. Theories of information encoding and storage are described in terms of their implications for consumer research. The causes of information imperfections in local consumer markets (markets where different prices are charged for the same quality) are reviewed. Advertising regulation policy considerations are also examined. Consumer information systems for local services are discussed from the viewpoint of information needs and consumer patterns of information avoidance. (nm)

0067
Estate and financial record for estate planning.
Harrison, G.A. ; Mahone, S.M. Lafayette, Ind.. The Service. Extension circular EC - Purdue University, Cooperative Extension Service. Apr 1981. Apr 1981. (EC-521). 13 p. (NAL Call No.: 275.29 IN2E).
Abstract: This publication is a set of forms with instructions for detailing financial information for an individual. The information is then to be used for estate planning.

0068
Estimating food production changes and project monitoring and evaluation in Nigeria.
Lai, K.C. ; Felton, M.W. Barking : Elsevier Applied Science Publishers. Agricultural administration. 1986. v. 22 (3). p. 161-173. Includes 5 references. (NAL Call No : DNAL S3.A32).

0069
Ethical issues in land grant university adjustments to change and uncertainty.
Favero, P. University Park, Pennsylvania : Northeast Regional Center for Rural Development, 1987. Proceedings of the rural people and places : a symposium on typologies, October 22-24, 1986, Grantville, Pennsylvania / A.E. Luloff, Editor. p. 129-136. Includes references. (NAL Call No.: DNAL HN90.C6N6 NO. 47).

0070
Extension excellence in the information age.
Patton, M.Q. Madison : Extension Journal. Journal of extension. Summer 1985. v. 23. p. 4-7. Includes references. (NAL Call No.: DNAL 275.28 J82).

0071
Fact and fiction in the public data budget crunch.
Gardner, B. Ames, Iowa : American Agricultural Economics Association. American journal of agricultural economics. Dec 1983. v. 65 (5). p. 882-888. Includes 13 references. (NAL Call No.: 280.8 J822).
Extract: Statistical information produced by governmental agencies is an example of a public good. This is true whether one defines a public good in terms of nonexclusivity (cost of enforcing property rights), Samuelsonian nonrivalry (consumption by one person does not reduce the good's availability to others), or Tullock's emphasis on economies of scale. Thus, there is ample theoretical rationale for potentially welfare-improving governmental action in the generation, although perhaps not the distribution, of statistical data. And the several federal statistical agencies producing agricultural data provide the basic institutional mechanisms to correct market failures.

0072
Facts about U.S. landownership.
Wunderlich, G. Washington, D.C., The Department. Agriculture information bulletin - United States Dept. of Agriculture. Nov 1978. Nov 1978. (422). 29 p. 74 ref. (NAL Call No.: 1 AG84AB).

0073
Farm sector application of flow-of-funds accounting.
Simunek, R.W. Washington, D.C., The Service. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Nov 1981. Available from NTIS. Nov 1981. (AGES811110). 38 p. 22 ref. (NAL Call No.: 916762(AGE)).
Extract: This paper assesses the impact of existing financial data gaps and specifies future data collection priorities that will substantially improve farm financial analysis. Development of farm sector financial accounting has been hampered by a lack of an understanding of Flow-of-Funds (FOF) concepts with National Income and Product (NIPA) accounting concepts at the sector level. In addition, lack of documentation of data sources and data estimation methodologies has blurred the issue of data quality and in turn retarded both the development of improved data collection procedures and farm sector accounts.

0074
Farm sector data: presentation and improvement.
Nicol, K.J. Lexington, Ky., American Agricultural Economics Association. American journal of agricultural economics. May 1981. v. 63 (2). p. 353-360. charts. 4 ref. (NAL Call No.: 280.8 J822).
Extract: This paper presents a review of the economic data projects of ESS and their recommendations. The first item covered is a clarification of the definition of the sector. This is followed by a description of the set of economic accounts and a discussion of the data needed to implement fully these accounts.

0075
Farmers' wives and countrywomen in relation to land consolidation. Boerinnen en tuindersvrouwen... en de ruilverkaveling. Dutch.
BDWKA. Meijerink-Straatman, A. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Mar 1986. v. 17 (3). p. 92-94. maps. (NAL Call No.: DNAL S11.B43).

0076
Federal human nutrition research needs a coordinated approach to advance nutrition knowledge.
Washington GAO 1978. Extract: The Federal Government spends from $73 to $117 million annually on human nutrition research- about 3 percent of the $3 billion it spends annually on all agriculture and health research. Several Federal departments and agencies support human nutrition research. However, comprehensive, consolidated information on Federal human nutrition research activities is limited, and some barriers to human nutrition research persist. GAO recommends steps for the executive branch to help overcome these barriers. Information needs to be developed concerning human nutrition requirements; food composition and nutrient biological availability; diet, disease causation, and food safety; and food consumption and nutritional status. 2 v. ; 27 cm. (NAL Call No.: TX367.U5 F&N).

0077
Field computers (Information needs of agriculture, crop production). L'ordinateur au champ. French.
Denechere, M.PTFRA. Paris : s.n. La Pomme de terre francaise. Oct 1982. v. 44 (412). p. 291-294. ill. (NAL Call No.: 75.8 P77).

0078
Firm-specific information, product differentiation, and industry equilibrium.
Perloff, J.M. ; Salop, S. Berkeley, The Foundation. Working paper - Giannini Foundation of Agricultural Economics, California Agricultural Experiment Station. 1981. 1981. (154). 34 p. 44 ref. (NAL Call No.: 916970(AGE)).
Extract: This paper presents a new model in which consumers have imperfect information about specific firms and lack information about the market. The resulting equilibrium has very different properties than in previous models.

0079
Flow of scientific information and analysis of information needs in agriculture. A szakmai informaciok aramoltatasa es az informacioszukseglet elemzese a mezogazdasagban / Herpay Balazsne. -. HUNGARIAN.
Herpay, Balazsne. Budapest Orszagos Muszaki Konyvtar es Dokumentacios Kozpont 1975. Summary in English, German and Russian. 168 p. ; 24 cm. --.

Bibliography: p. 103-119. (NAL Call No.: S494.5.D6H47).

0080
Flowcharting: An analytical tool for managers.
Schmidgall, Raymond S.CNSLA. ; Kasavana, Michael L. Seattle : Foodservice Consultants Society International. The consultant. Oct 1982. v. 15 (4). p. 31-36. ill. (NAL Call No.: TX901.C6 F&N).
Abstract: An information system is essential in order to control a foodservice operation. A flowchart helps to understand and analyze the current information system. Flowcharting is a graphic means of describing an information system and consists of 4 elements: 1) symbols used to identify items, steps, and actions; 2) flow lines to indicate document and information flows; 3) departmental responsibilities; and 4) written comments and clarification. The purpose of flowcharting; types of flowcharts; flowcharting techniques and illustrations are given. Analysis will highlight strengths and weaknesses and indicate areas of change to improve the system. It may even demonstrate that a computer will enhance operations. (kbc)

0081
Forecasting short-run fed beef supplies with estimated data.
Trapp, J.N. Lexington, Ky., American Agricultural Economics Association. American journal of agricultural economics. Aug 1981. v. 63 (3). p. 457-465. 9 ref. (NAL Call No.: 280.8 J822).
Extract: Unknown aggregate data series for the placement weight, growth rate, and sex composition of cattle placed on feed are estimated. The estimates are made by treating the unknown data as time-varying parameters of a cattle-on-feed growth and inventory simulation model. A nonlinear optimization algorithm is used to estimate the unknown parameter series that optimize the model's simulation accuracy. Incorporation of the estimated series into a traditional econometric fed-beef-supply forecast model improved the model's forecast accuracy. The methodology used provides a general procedure for estimating unknown aggregate data using simulation models based upon microrelationships.

0082
FORPLAN data requirements and use in National Forest planning.
Kent, B. ; Gilbert, B. Bethesda, Md. : The Society. Proceedings of the...Society of American Foresters National Convention. "Economic and Social Development : A Role for Forests and Forestry Professionals," October 18-21, 1987, Minneapolis, Minnesota. 1988. p. 283-291. Includes references. (NAL Call No.: DNAL SD143.S64).

0083
The French experience.
London, Forbes Publications. Nutrition and food science. Sept/Oct 1980. Sept/Oct 1980. (66). p. 15. (NAL Call No.: TX341.N825).
Abstract: A campaign for nutrition education of French consumers was described at the 1980 EEC Symposium on Nutrition and Food Technology. Although nutrition is a widespread health risk in France, it cannot be effectively advocated by coercive regulations. Instead, expectant mothers are encouraged to properly feed themselves and their families. A positive effect of food on health is seen as depending on good food choices. As part of a public relations effort, a card game, "Mangez Juste" (eat right), was distributed at holiday resorts. A third project focused on the feeding of children, 6-12 years old. Parents and teachers were involved with an information drive which included a teaching kit. These and other activities meet the need of the French public to receive simple nutrition information that can be applied to daily life.

0084
Functioning of private information offices. Het functioneren van particuliere voorlichtingsbureaus. Dutch.
BDWKA. Penning, M. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Sept 1985. v. 16 (9). p. 344-346. (NAL Call No.: DNAL S11.B43).

0085
Future farm information needs as seen by the field staff of the Illinois Farm Business Farm Management Association.
Mazzocco, M.A. ; Sonka, S.T. Urbana, Ill., The Department. Illinois agricultural economics staff paper, series E agricultural economics - Dept. of Agricultural Economics, University of Illinois. Oct 1980. (E-140). 16 p. (NAL Call No.: 916937(AGE)).

0086
Generating information from the small-scale farmer.
Magembe, S.R. Farnham Royal, Slough, England : Commonwealth Agricultural Bureaux, c1984. Advancing agricultural production in Africa : proceedings of CAB's First Scientific Conference, Arusha, Tanzania, 12-18 February 1984 / edited by D.L. Hawksworth. p. 279-281. Includes 2 references. (NAL Call No.: DNAL S472.A1C65).

0087
Ground water and agriculture: addressing the information needs of Pennsylvania's Chesapeake Bay program.
Makuch, J.R. ; Woodward, M.D. Chelsea, MI : Lewis Publishers, c1987. Ground water quality and agricultural practices / Deborah M. Fairchild, editor . p. 375-388. ill., maps. Includes references. (NAL Call No.: DNAL TD223.G7).

0088
A guide to survey research for local cooperative management.
Hogeland, J.A. Washington, D.C., The Service. Cooperative information report - United States Dept. of Agriculture, Economics, Statistics, and Cooperatives Service. Apr 1980. Apr 1980. (24). 15 p. 2 ref. (NAL Call No.: aHD1491.A1U56).
Extract: This pamphlet is intended to aid cooperative managers who want to survey patrons or other groups on issues facing a cooperative.

0089
How to interview for information.
Bradley, John. Minneapolis : Lakewood Publications, Inc. Training. Apr 1983. v. 20 (4). p. 59-62. (NAL Call No.: HF1101.T7 F&N).
Abstract: Fact-finding interviews require special techniques in order to elicit the needed information in the shortest amount of time. Background information, facts needed, and exact questions should be gathered before the interview begins. Preparation should include: outlining known facts, then identifying the needs for obvious questions; validating information and asking questions of others before proceeding. Questions to be asked (no more than 10 general questions, which can be subdivided as needed) should be written out; questions open-ended but not too broad. Specific "does" and "don'ts are: do not begin the interview with small talk; explain the work, and how the information was gathered; explain the objectives; and the topics to be discussed. Be sure everything is clearly understood by both parties--don't rely on memory or notes. Stick to the outline; listen for new important information; and summarize after each major question. Ask for a general summary at the end of the interview. (kbc)

0090
Human values and ethics: Professional responsibility.
Thomasma, David C. Chicago, The Association. Journal.American Dietetic Association. Nov 1979. v. 75 (5). p. 533-536. 8 ref. (NAL Call No.: 389.8 AM34).
Abstract: Ethical decision making is a fundamental part of professionalism. While traditional ideas about professional codes of behavior considered only etiquette and courtesy, today's level of highly evolved specializations requires that physicians and all other medical professionals involve patients in their treatment. Patients must be informed about their ailment and all treatment available to them. Patient and physician, dietitian, or therapist can then jointly determine the course of treatment.

0091
I'd rather not sayRoundtable Productions.
Beverly Hills, Calif. : Roundtable Films, c1971. 1 film reel (33 min.) : sd., col. ; 16 mm. + 1 discussion leader's guide (16 p.). (NAL Call No.: DNAL FNC HF5549.5.I6I3 F&N AV).
Abstract: This film considers ways in which barriers to manager-employee communication can be removed. Using Kurt Lewin's Force Field Analysis approach, it shows how the forces that restrain open, face-to-face communication can be eliminated and how driving forces which motivate people to "open up" can be released, so that critical information needed by decision-makers can be obtained. The focus is on the art of interviewing, and establishing credibility for the decision-maker. The discussion leader's guide contains group activities and exercises to reinforce the film's message. (rbl)

0092
The impact of less data on the agricultural economy and society.
Just, R.E. Ames, Iowa : American Agricultural Economics Association. American journal of agricultural economics. Dec 1983. v. 65 (5). p. 872-881. Includes 24 references. (NAL Call No.: 280.8 J822).
Extract: This paper explores potential social and economic impacts of declining public data supply precipitated by such budget adjustments and suggests potential improvements in public data policy and budget allocations. Information for determining whether aggregate expenditures for public data production are above or below a social optimum is lacking. Alternatively, this paper argues that reallocating some expenditures away from production of current (forecasting related) data and toward maintaining or improving historical data and social statistics can help mitigate adverse welfare effects of the budget crunch.

0093
Impediments and requirements of nutrition evaluation.
Zeitlin, Marian F. ; Austin, James E. New York : Plenum Press, 1980. Nutrition and food science, present knowledge and utilization / edited by Walter Santos...(et al). v. 1. p. 327-345. chart. 16 ref. (NAL Call No.: TX359.I5 1978 F&N B-2731).
Abstract: Five major obstacles to effective nutrition program evaluation include different user needs, technical and financial limitations, psychological resistance, political barriers, and illiteracy. User groups for evaluation information should be defined, so that the minimum amount of information needed can be provided. An individual, least-cost method for data analysis and evaluation should be designed for each program. Both positive and negative assessments pesented in a constructive atmosphere may help dissipate internal resistance to evaluation. Evaluators must also recognize political realities, so that evaluations are seen as strengthening the political decision-making process. Technical solutions are being developed to solve literacy problems in nutritional programs. These approaches may minimize

impediments to good evaluations. Community participation in evaluation should also be better utilized by evaluators, to put the responsibility for change on the entire community, rather than on the program itself.

0094
Importance of forest inventory information from a regional perspective.
Webster, H.H. Bethesda, Md. : The Society. Proceedings of the...Society of American Foresters National Convention. "Economic and Social Development : A Role for Forests and Forestry Professionals," October 18-21, 1987, Minneapolis, Minnesota. 1988. p. 46-48. (NAL Call No.: DNAL SD143.S64).

0095
Importance of forest inventory information in local forestry economic evaluation.
Golitz, M.F. Bethesda, Md. : The Society. Proceedings of the...Society of American Foresters National Convention. "Economic and Social Development : A Role for Forests and Forestry Professionals," October 18-21, 1987, Minneapolis, Minnesota. 1988. p. 49-50. Includes references. (NAL Call No.: DNAL SD143.S64).

0096
Improving the Health and Nutrition Examination Survey / National Academy of Public Administration. -.
Washington, D.C. National Academy of Public Administration 1980. 120 p. Includes bibliographic notes. (NAL Call No.: TX360.U6N33 F&N E-3733).
Abstract: An evaluation of the Health and Nutrition Examination Survey (HANES) examines the survey's utility for assessing the health and nutritional status of Americans, and for defining public health and nutrition policy. Background information on national health and nutrition surveys is given, along with a history of HANES--first instituted in 1969 as a continuous national nutritional surveillance program. Demands for HANES data by Congress and the health and nutrition community are described. The HANES planning process is reviewed, and specific methods and procedures for a future HANES survey of hispanic Americans are suggested. Typical HANES findings, major uses, and users of HANES data are summarized. Recommendations concern the role of HANES in a national information system; priorities for HANES data; and policy issues, epidemiological questions, and information needs. Steps to improve HANES operations and reporting are suggested. (nm)

0097
In-place information needs for activity planning--forestry.
Smith, S H. (Bethesda, Md.) : Society of American Foresters, 1982. In-place resource inventories : principles & practices : proceedings, workshop, August 9-14, 1981, Univ. of Maine, Orono, / spon. American Society of Photogrammetry...(et al.) ; ed. T.B. Brann, L.D. House IV, H.G. Lund. p. 39-42. (NAL Call No.: S494.5.D6I52).

0098
In-place information needs for land-use planning.
Wenker, R.B. (Bethesda, Md.) : Society of American Foresters, 1982. In-place resource inventories : principles & practices : proceedings, workshop, August 9-14, 1981, Univ. of Maine, Orono, / spon. American Society of Photogrammetry...(et al.) ; ed. T.B. Brann, L.D. House IV, H.G. Lund. p. 58-61. (NAL Call No.: S494.5.D6I52).

0099
In-place information needs for wildland-based recreation activity planning.
McCool, S.F. (Bethesda, Md.) : Society of American Foresters, 1982. In-place resource inventories : principles & practices : proceedings, workshop, August 9-14, 1981, Univ. of Maine, Orono, / spon. American Society of Photogrammetry...(et al.) ; ed. T.B. Brann, L.D. House IV, H.G. Lund. p. 52-57. Includes references. (NAL Call No.: S494.5.D6I52).

0100
Increases in costs and returns due to intensifying range forage production surveys: an information economic analysis.
Rafsnider, G.T. ; Skold, M.D.~Driscoll, R.S. Lincoln, Neb. : Western Agricultural Economics Association. Western journal of agricultural economics. July 1983. v. 8 (1). p. 86-95. Includes 12 references. (NAL Call No.: HD1750.W4).
Extract: The U.S. Congress and courts have directed federal natural resource agencies to use better information for management decisions than they have used in the past. It is also important for these agencies to improve the efficiency of resource use where possible. This information economics study estimates increased costs and revenues which can be directly imputed to improving the accuracy of range forage production surveys. It suggests that a high level of survey accuracy may often be justifiable.

0101
Industrial and commercial information user needs: the Nigerian case.
Arosanyin, J.D. Amsterdam : North-Holland, 1984. The Use of information in a changing world : proceedings of the Forty-second FID Congress held in The Hague, the Netherlands, 24-27 September 1984 / edited by A. van der Laan and A.A. Winters. p. 313-320. Includes 22 references. (NAL Call No.: DNAL Z1008.F5 1984).

0102
Ineffective information systems.
Gow, D.D. ; Morss, E.R. Boulder, Colo. : Westview Press, 1985. Implementing rural development projects : lessons from AID and World Bank experiences / edited by

Elliott R. Morss and David Gow. p. 175-197. Includes references. (NAL Call No.: DNAL HN980.I48).

0103
Influencing congressional decisions on wetlands conservation: information and communication needs.
NAWTA. Davison, R.P. Washington, D.C. : Wildlife Management Institute. Transactions of the ... North American Wildlife and Natural Resources Conference. 1985. (50th). p. 418-424. Includes references. (NAL Call No.: DNAL 412.9 N814).

0104
Information and education needs of managers.
Swanson, D.H. Madison, Wis., The Service. Community economics - Univ. of Wisconsin, Dept. of Agricultural Economics, Cooperative Extension Service. Sept 1981. Sept 1981. (60). 2 p. (NAL Call No.: 917663(AGE)).

0105
Information and the concept of option value.
Hanemann, W.M. Berkeley : The Station. Working paper - Giannini Foundation of Agricultural Economics, California Agricultural Experiment Station. Oct 1982. Oct 1982. (228). 34 p. Includes 15 references. (NAL Call No.: 916970(AGE)).
Extract: This paper is concerned with the Arrow-Fisher-Henry (AFH) time-dependent concept of option value, which has been the subject of two recent articles.

0106
The Information cycle USDA.
Beltsville, Md. National Agricultural Library 1980. For further information, contact David R. Hoyt, Training and Education Branch, National Agricultural Library, Beltsville, Md. 20705 Tel.: 301/344-3937. 1 videocassette (20 min.) : sd., col. ; 3/4 in. (NAL Call No.: Z699.3.I5 F&N AV).
Abstract: The Technical Information System (TIS) of the USDA's National Agricultural Library helps scientists, researchers, educators and administrators utilize a growing wealth of scientific information. TIS is a system of computerized information management which provides access to the latest published literature and current research. Scientific and technical data bases including Agricola, CRIS, CALS and others contain an inventory of international information resources. These are catalogued and indexed for computerized search and retrieval. Over 1 1/2 million citations and 25,000 research project summaries establish channels of communication between workers in energy, agriculture, economics, environmental science, food and nutrition. By using a key word profile of the subject matter of interest, the most recent literature can be scanned. A document delivery service and the Food and Nutrition Information Center assist cooperating libraries in coping with the information explosion.

0107
Information disclosure in mail order catalogues.
Cude, B. : Walker, R. Oxford : Blackwell Scientific. Journal of consumer studies and home economics. Dec 1984. v. 8 (4). p. 293-298. Includes 11 references. (NAL Call No.: DNAL TX1.J68).

0108
Information flow in rural Minnesota.
Harmon, B. ; Krile, J.F. St. Paul, Minn. : The Service. Sociology of rural life - Minnesota University, Agricultural Extension Service. Spring/Summer 1986. v. 8 (3). p. 3-4, 8. (NAL Call No.: DNAL HT421.S63).

0109
Information flows and institutional functions related to problems of small farmers.
Badenhop, M.B. Knoxville, The Institute. International report - University of Tennessee, Institute of Agriculture. Sept 1981. Sept 1981. (1). p. 1-9. 5 ref. (NAL Call No.: 920408(AGE)).
Extract: This report places in proper perspective the roles of information, communication, and institutional activities in removing constraints which block acceptance of agricultural technology. The role of institutions in developing information for clientele and effective communication is reviewed. Questions suggested are context questions concerned with activities operating outside information flows systems; institutional questions which operate at different levels for government; community questions; farmer questions; and component questions which allow priorities to be put on information systems in terms of their impact on productivity.

0110
Information for decision-making by rural public authorities.
Wellar, B.S. Paris, France : Organization for Economic Cooperation and Development, 1984. Local leadership and rural development : implications for research and extension : a Conference on "Local Leadership and Rural Development" held at Williamsburg, Va, April 15, 1984 / the OECD with the USDA and Va Ext Serv. p. 31-39. ill. (NAL Call No.: DNAL aHM141.C6 1984).

0111
Information gathering.
Oliver, P. West Lafayette, Indiana : The Station. Station bulletin - Purdue University, Agricultural Experiment Station. Paper presented at the "Proceedings of the First National Herb Growing and Marketing Conference," July 19-22, 1986, West Lafayette, Indiana. 1987. (518). p. 286-291. Includes references. (NAL Call No.: DNAL HD1775.I6I5).

0112
Information: its measurement and valuation.
Chavas, J. ; Pope, R.D. Ames, Iowa : American Agricultural Economics Association. American journal of agricultural economics. This paper was presented at the "Annual Meeting at the American Agricultural Economics Association," held Aug. 5/8, 1984, Ithaca, N.Y.~ Includes statistical data. Dec 1984. v. 66 (5). p. 705-710. Includes 27 references. (NAL Call No.: DNAL 280.8 J822).
Extract: The objective of this paper is to discuss briefly the measurement and economic valuation of information. Alternative information concepts found in the literature are reviewed. It is argued that the valuation of information is best analyzed in the context of decision making under uncertainty. A simple model is developed to illustrate how better information tends to improve the decision-making process. Implications of the model for the valuation of information are presented.

0113
Information needed by the inventory designer.
Alverson, L. (Bethesda, Md.) : Society of American Foresters, 1982. In-place resource inventories : principles & practices : proceedings, workshop, August 9-14, 1981, Univ. of Maine, Orono, / spon. American Society of Photogrammetry...(et al.) ; ed. T.B. Brann, L.D. House IV, H.G. Lund. p. 64-65. (NAL Call No.: S494.5.D6I52).

0114
Information needed to use the endangered species act for plant conservation.
MacBryde, B. New York, New York Botanical Garden. 1981. Rare plant conservation / geographical data organization / edited by Larry E. Morse, Mary Sue Henifin. p. 49-55. ill. 27 ref. (NAL Call No.: QK86.A1R3).

0115
Information needs and dissemination.
Kraft, S.E. ; McIntosh, W.A.~Michalson, E. Ankeny, Iowa : Soil Conservation Society of America, c1986. Conserving soil : insights from socioeconomic research / Stephen B. Lovejoy, Ted L. Napier, editors. Paper presented at a symposium, "Soil and Water Conservation: Implications of Social and Economic Research for Policy Development and Program Implementation," June 3/5, 1985, Zion, Illinois. p. 143-146. (NAL Call No.: DNAL HD256.C64).

0116
Information needs and information--seeking involvement of farmers in six rural communities in Nigeria.
QBALA. Aina, L.O. London : The Association. Quarterly bulletin of the International Association of Agricultural Librarians and Documentalists. 1985. v. 30 (2). p. 35-40. Includes references. (NAL Call No.: DNAL 243.9 IN84Q).

0117
Information needs and information policy of the agricultural and rural extension agency. Informationsbedarf und Informationsverhalten in der landwirtschaftlichen und landlich-hauswirtschaftlichen Beratung Forschungsbericht /Verfasser: Dagmar Czermak und Felix zu Lowenstein ; wissenschaftliche Leitung: Joachim Ziche und Manfred Rahmann. --. German.
Czermak, Dagmar. Stuttgart : Ulmer, 1982. ix, 212, 90 p. : ill. ; 24 cm. --. Bibliography: p. 206-212. (NAL Call No.: DNAL S544.5.G3C9).

0118
Information needs and priorities for assessing the sensitivity of marine birds to oil spills.
Wiens, J.A. ; Ford, G.~Heinemann, D. Barking, Eng. : Applied Science Publishers. Biological conservation. 1984. v. 28 (1). p. 21-49. ill. Includes references. (NAL Call No.: S900.B5).

0119
Information needs and sources for measuring risk.
Driver, H.C. ; Framst, G. Guelph, Ont., The School. Publication - School of Agricultural Economics and Extension Education, University of Guelph. July 1979. July 1979. (79/5). p. 54-57. (NAL Call No.: HD1785.G8).

0120
Information needs and sources for Michigan small farm operators.
Hepp, R.E. ; Olson, T.M. East Lansing, The Department. Agricultural economics report - Michigan State University, Department of Agricultural Economics Mar 1980. Mar 1980. (372). 44 p. 1 ref. (NAL Call No.: 281.9 M5842).

0121
Information needs and sources for Michigan small farm operators / by Ralph E. Hepp, Thomas M. Olson. -.
Hepp, Ralph E. ; Olson, Thomas M. East Lansing Dept. of Agricultural Economics, Michigan State University 1980. Cover title. 44 p. ; 28 cm. --. (NAL Call No.: 281.9 M5842 No.372).

0122
Information needs and sources of Alabama farmers.
Stallings, J.L. ; Harrison, G.L. Auburn, Ala., The Academy. The Journal of the Alabama Academy of Science. Apr 1980. v. 51 (2). p. 131-151. (NAL Call No.: 500 AL12).

0123
Information needs and use assessments (Resource inventory).
Hoekstra, T.W. (Bethesda, Md.) : Society of American Foresters, 1982. In-place resource inventories : principles & practices : proceedings, workshop, August 9-14, 1981, Univ. of Maine, Orono, / spon. American Society of Photogrammetry...(et al.) ; ed. T.B. Brann, L.D. House IV, H.G. Lund. p. 10-13. ill. (NAL Call No.: S494.5.D6I52).

0124
Information needs and uses of scientists working in the field of phytomedecine = Informationsbedarf und Informationsgewohnheiten von Phytomedizinern in der Bundesrepublik Deutschland / Gudrun Weiland. -.
Weiland, Gudrun. Cairo ESDUCK 1981. Translated from German for the SEA, USDA and the National Science Foundation, TT 80-58020 ~Translated from: MItterlungen was der Biologischen Bundesanstalt fur Land- und Forstwirts Chaft, Berlin - Dahlem, vol. 171:1-215, Sept. 1976. 224 leaves ; 28 cm. Bibliography: leaves 215-224. (NAL Call No.: TRANSL 27911).

0125
Information needs for conservation decisions.
Fletcher, J.J. ; Seitz, W.D. Ankeny, Iowa : Soil Conservation Society of America, c1986. Conserving soil : insights from socioeconomic research / Stephen B. Lovejoy, Ted L. Napier, editors. Paper presented at a symposium, "Soil and Water Conservation: Implications of Social and Economic Research for Policy Development and Program Implementation," June 3/5, 1985, Zion, Illinois. p. 55-70. Includes references. (NAL Call No.: DNAL HD256.C64).

0126
Information needs for modern agriculturesymposium proceedings, Lincoln, Nebraska, September 7-9, 1983. -.
Lincoln : Central AGNET, University of Nebraska, 1983. Cover title.~ Supported by the Offices of the Vice Chancellor for Agriculture and Natural Resources and the Chancellor of the University of Nebraska-Lincoln.~ Hosted by AGNET. 40, 4 p. : ill. ; 28 cm. Includes bibliographical references. (NAL Call No.: DNAL S494.5.I47I52).

0127
Information needs for nautral fire management planning.
XGTIA. Parsons, D. ; Bancorft, L.~Nichols, T.~Stohlgren, T. Ogden, Utah : The Station, USDA Forest Service general technical report INT - Intermountain Forest and Range Experiment Station. Paper presented at the "Symposium and Workshop on Wilderness Fire," Nov. 15/18, 1983, Missoula, Montana. Apr 1985. (182). p. 356-359. Includes references. (NAL Call No.: DNAL aSD11.A48).

0128
Information needs for pest management in agriculture.
XGNEA. Haynes, D.L. Broomall, Pa. : The Station, USDA Forest Service general technical report NE - United States, Northeastern Forest Experiment Station. Paper presented at the "Conference on Spruce-Fir Management and Spruce Budworm", April 24/26, 1984, Burlington, Vermont. 1985. (99). p. 203-208. ill., maps. Includes references. (NAL Call No.: DNAL aSD11.U56).

0129
Information needs for regulatory control of acidic precipitation (USA).
Smith, L. Bethesda, Md. : American Fisheries Society, Northeastern Div., 1982. Acid rain/fisheries : proceedings of an International Symposium on Acidic Precipitation and Fishery Impacts in Northeastern North America, Cornell Univ., Ithaca, New York, August 2-5, 1981/ R.E. Johnson. p. 257-264. (NAL Call No.: SH174.I5 1981).

0130
Information needs in community nutrition.
Fleming, Phyllis L. ; Dozier, Mary Kay.~Splett, Patricia.~York, Pam Van Zyl.~Brown, Judith. Wahington, D.C., Community Nutrition Institute. The Community nutritionist. Jan/Feb 1982. Jan/Feb 1982. p. 3-6. charts. (NAL Call No.: TX341.C64 F&N).
Abstract: A 1980 national survey of practioners of public health and community nutrition, combined with a content survey of leading periodicals, found that nutritionists have significant information needs unmet by current publications. Professionals in this field tend not to have a common professional affiliation nor a publication devoted primarily to their needs. Respondents' ages ranged from 22-70 (mean age 31 years); 6 years was the median length of time spent in the profession. Survey results indicated the need for a new publication. The survey specified community nutrition information needs relating to personnel, documentation of program effectiveness, design and evaluation of educational materials, computers, and assessment of clients' needs. The new publication stands to strengthen professional identity and promote development of the body of expertise forming the basis of public health and community nutrition. Survey data are provided. (wz)

0131
Information needs in crop genetic resources work.
Williams, J.T. Rome : IBPGR Secretariat, 1982. Documentation of genetic resources : a model / S. Blixt and J.T. Williams (eds.). p. 29-31. (NAL Call No.: DNAL SB123.3.B54).

0132
Information needs in farm management /D. Woods Thomas and R.J Amick.
Thomas, D. Woods. ; Amick, Richard Joe,; 1932-. Lafayette, Ind. : Purdue University Agricultural Experiment Station, 1960. Caption title. 16 p. : 1 map ; 28 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 In2P (1) no.705).

0133
Information needs, information resources, and program management.
McMarthy, M. Jr. New York : Van Nostrand Reinhold, c1985. Handbook of gerontological services / edited by Abraham Monk. p. 592-627. Includes references. (NAL Call No.: DNAL

HV1461.H34).

0134
Information needs of and sources used by Alabama farmers.
Stallings, J.L. ; Harrison, G.L. Auburn, Ala., The Station. Circular.Alabama. Agricultural Experiment Station. May 1979. May 1979. (243). 34 p. ill. (NAL Call No.: 100 AL1S (2)).

0135
Information needs of farmers. Les besoins en information des agriculteurs. FRENCH.
Lacombe. Paris, (s.n.). Agriculture. June 1980. June 1980. (442). p. 259-261. (NAL Call No.: 14 AG823).

0136
Information needs of Indian food scientists. A case study of C.F.T.R.I., Mysore.
ALSDA, Maheswarappa, B.S. ; Trivedi, S.K. New Delhi : Indian National Scientific Documentation Centre. Annals of library science and documentation. Mar/June 1986. v. 33 (1/2). p. 67-75. (NAL Call No.: DNAL Z671.A5).

0137
Information needs relating to small-farm programs and policies.
Saupe, W.E. Washington, The Service. ESCS staff report - U.S. Dept. of Agriculture, Economics, Statistics, and Cooperatives Service. July 1980. Available from NTIS - order no. PB80-208-176. July 1980. 38 p. 111 ref. (NAL Call No.: 916762(AGE)).

0138
Information needs relating to small-farm programs and policies / (by) William E. Saupe for United States, Dept. of Agriculture, Economics, Statistics, and Cooperatives Service, Economic Development Division. -.
Saupe, William E. (Washington) Economics, Statistics, and Cooperatives Service 1980. Report prepared for the Economics, Statistics, and Cooperatives Service under contract no. 53-319S-9-02658 -ESCS Staff Report -Issued July 1980. ii, 38 p. Bibliography: p. 31-38. (NAL Call No.: aHD1476.U5S2).

0139
Information, organization, and power : effective management in the knowledge society / Dale E. Zand. -.
Zand, Dale E. New York McGraw-Hill 1981. Includes index. 209 p. Bibliographic notes. p. 191-196. (NAL Call No.: HD30.3.Z3 F&N B-2920).
Abstract: The relationships between managerial behavior and the use of knowledge in organizations, in a technology-oriented and changing society, are explored in an effort to aid managers in coping with current demands. Finding, using, and living with knowledge are the 3 divisions of the material. Characteristics of organizations are examined, including how knowledge supports activities, and how people convert knowledge to useful products. Causes, effects, and possible remedies to imbalances in the use of knowledge within an organization are analyzed. The process of management is described as policy formulation resulting from knowledge assimilation; a comprehensive problem-solving approach to policy decisions is presented. Finally, 2 underlying management principles are examined: the need to manage during periods of stability and change, and the individual's need to cope in a knowledge-oriented society. (cj)

0140
Information-seeking behavior of agricultural extension specialists: its impact on the management of information services.
Sattar, A. Amsterdam : North-Holland, 1984. The Use of information in a changing world : proceedings of the Forty-second FID Congress held in The Hague, the Netherlands, 24-27 September 1984 / edited by A. van der Laan and A.A. Winters. p. 299-310. Includes 9 references. (NAL Call No.: DNAL Z1008.F5 1984).

0141
Information sources for agricultural lenders.
Abdullah, I. ; Woolverton, M.W. Columbus, The Department. Occasional paper - Ohio State University, Dept. of Agricultural Economics and Rural Sociology, Cooperative Extension Service. Mar 1981. Mar 1981. (ESO 838). 26 p. 2 ref. (NAL Call No.: HD1411.D3).
Extract: Agriculture lenders need up-to-date information in order to perform agricultural loan analyses. The purpose of this paper is (1) to discuss the basic financial and agronomic considerations in making loan decisions, and (2) to provide a list of information sources available to agricultural lenders.

0142
Information technologies and rural development in the 1990s.
Dillman, D.A. ; Beck, D.M. S.l. : The ' Council?, 1987? . Proceedings, Symposium on the Rural Great Plains of the Future ; November 3-5, 1987, Denver, Colorado / sponsored by Great Plains Agricultural Council . . et al. . p. 275-320. ill. Includes references. (NAL Call No.: DNAL HN90.C6S9 1987).

0143
Information use by university agriculture faculty.
Licea de Arenas, J. Amsterdam : North-Holland, 1984. The Use of information in a changing world : proceedings of the Forty-second FID Congress held in The Hague, the Netherlands, 24-27 September 1984 / edited by A. van der Laan and A.A. Winters. p. 275-287. Includes 13 references. (NAL Call No.: DNAL Z1008.F5 1984).

0144
ISA's Arbor Base Information Clearinghouse: what it can do for you.
JOARD. Johnston, P.A. Urbana, Ill. : International Society of Arboriculture. Journal of arboriculture. June 1987. v. 13 (6). p. 152-153. (NAL Call No.: DNAL SB436.J6).

0145
Issues in software sharing.
Spike, P.L. Madison, Wis. : North Central Computer Institute, 1982? . Computer applications in agricultural engineering : present and future : proceedings : Purdue University, August 18-20, 1982 : a workshop / sponsored by NCCI. p. 91-95. Includes references. (NAL Call No.: DNAL S494.5.I47C64 1982).

0146
Joint congressional hearing on the changing information needs of rural Americathe role of libraries and information technology : July 21, 1982. --.
Washington, D.C. : U.S. Dept. of Agriculture : National Commission on Libraries and Information Science, 1984. Cover title.~ Hearings cochaired by Senator Mark Andrews, chairmen of the Senate Subcommittee on Rural Development, Oversight, and Investigations; and Representative George E. Brown, Jr., chairman of the House Subc~ "Issued August 1984.". ix, 83 p. : ill., forms ; 28 cm. Includes bibliographical references. (NAL Call No.: DNAL aZ675.V7J6).

0147
Kentucky farmers' needs and sources of information.
Halter, A.N. Lexington : The Station. Progress report - Kentucky Agricultural Experiment Station. Documents available from: Agriculture Library, Agricultural Science Center - North, Lexington, Ky. 40546-0091.~ Includes statistical data. Nov 1960. (93). 15 p. Includes references. (NAL Call No.: DNAL 100 K41PR).

0148
Knowledge is power: Managing the information explosion.
Hill, Marjorie. Boston : Cahners Publishing Co. Restaurants & institutions. Nov 15, 1982. v. 91 (10). p. 57-58, 62. ill. (NAL Call No.: TX1.I55).
Abstract: Instant information through access to a data bank/computer system will benefit all business establishments. Pertinent information on any topic can be obtained although most people don't know where to obtain it efficiently and effectively. Information management, the process by which computers organize and automate information, is explained. A fictitious example describes how a couple gathers information to decide on whether to enlarge their current restaurant or expand to new locations. Data banks tapped to give them this informatiin included: the Trade and Industry Index; recent issues of the Wall Street Journal' (National Newspaper Index); Electronic Yellow Pages, and Career Placement Registry for Students and Experienced Personnel. (kbc)

0149
Knowledge transfer from academia.
TAPPA. Nissan, A.H. Norcross, Ga. : The Technical Association of the Pulp and Paper Industry. Tappi journal. Oct 1988. v. 71 (10). p. 47-49. (NAL Call No.: DNAL 302.8 T162).

0150
Land values research approaches and data needs.
Raup, P.M. St. Paul, The Department. Staff paper P - Minnesota University, Dept. of Agricultural and Applied Economics. July 9, 1982. July 9, 1982. (P82-7). 35 p. 27 ref. (NAL Call No.: HD1761.A1M5).
Extract: In the sense that will be used here, land is perceived as an economic variable, responsive to the major forces that guide the combination of resources in the production of goods, services and intangible values that satisfy human wants. It is the asset value of land that gains in importance in times of crisis or rapid change. Trends in the value of land as a factor of production seldom give rise to political controversy. Trends in the asset values of land almost invariably do.

0151
Laws and information needs for listing plants (Endangered Species Act of 1973).
Smith, E.L. Cambridge, Mass., New England Botanical Club, Rhodora. Jan 1980. Literature review. v. 82 (829). p. 193-199. 15 ref. (NAL Call No.: 450 R34).

0152
Legal considerations in challenging external threats to Glacier National Park, Montana, USA.
EMNGD. Keiter, R.B. ; Hubert, W.A. New York : Springer-Verlag. Environmental management. Jan 1987. v. 11 (1). p. 121-126. Includes references. (NAL Call No.: DNAL HC79.E5E5).

0153
Literature requirements and informative behaviour of scientists in grassland management and related fields.
Voss, N. ; Wiedemann, W. Los Banos, Laguna, Philippines : Agric Libr Assoc of Philippines, Agric Inf Bank for Asia, 1981. Proceedings of the VIth World Congress of the International Association of the Agricutural Librarians and Documentalists : agricultural information to hasten development : Held 3-7 March 1980, Manila, Philippines. p. 277-285. Includes references. (NAL Call No.: DNAL Z675.A9I53 1980).

0154
The Management difference : future information needs of commercial farmers and ranchers / Arthur Andersen & Co., University of Illinois. -.
Chicago, Ill. (69 West Washington St.,

Chicago 60602) Arthur Andersen & Co. 1982. Cover title ~"This survey study has been prepared as a joint venture of the Dept. of Agricultural Economics, College of Agriculture, University of Illinois at Urbana-Champaign and Arthur Andersen & Co."--P. 25. 28 p. : ill. ; 28 cm. (NAL Call No.: S560.6.M36).

0155
Market outlook information for agribusiness firms (Agriculture Canada's Outlook Program).
Huff, H.B. Ottawa, Information Services, Agriculture Canada. Canadian farm economics. 1981. v. 16 (1). p. 26-27. (NAL Call No.: HD1401.C2).

0156
A measure of the value of information for the competitive firm under price uncertainty.
Antonovitz, F. ; Roe, T. St. Paul : The Department Staff paper P - University of Minnesota, Dept. of Agricultural and Applied Economics. Dec 21, 1982. Dec 21, 1982. (82-28). 19 p. Includes 8 references. (NAL Call No.: HD1761.A1M5). Extract: This paper addresses the problem of measuring the value of information to an agent in an environment where the agent is risk averse and choices are based on the utility of income and personal beliefs about the likelihood of uncertain outcomes.

0157
Meeting information needs for development in developed countries.
Russell, H.M. Manila, The Association. Papers - International Association of Agricultural Librarians and Documentalists World Congress. 1980. 1980. (6th,pt.a). p. P/9.1-P/9.7. 20 ref. (NAL Call No.: Z675.A9I53).

0158
Meeting the information challenge for agriculture in developed countries.
Russell, H.M. Los Banos, Laguna, Philippines : Agric Libr Assoc of Philippines, Agric Inf Bank for Asia, 1981. Proceedings of the VIth World Congress of the International Association of the Agricutural Librarians and Documentalists : agricultural information to hasten development : Held 3-7 March 1980, Manila, Philippines. p. 73-78. Includes references. (NAL Call No.: DNAL Z675.A9I53 1980).

0159
Micro and macro factors influencing the adoption of soil and water conservation practices.
Thraen, C.S. ; Napier, T.L.~Maetzold, J.A. Ankeny, Iowa : Soil Conservation Society of America, c1986. Conserving soil : insights from socioeconomic research / Stephen B. Lovejoy, Ted L. Napier, editors. Paper presented at a symposium, "Soil and Water Conservation: Implications of Social and Economic Research for Policy Development and Program Implementation," June 3/5, 1985, Zion, Illinois. p. 140-143. (NAL Call No.: DNAL HD256.C64).

0160
Microcomputers in agriculture.
Killcreas, W.E. Mississippi State, The Station. Staff paper series - Mississippi State University, Dept. of Agricultural Economics, Mississippi Agricultural and Forestry Experiment Stations. July 1981. July 1981. (53). 7 p. (NAL Call No.: 918319(AGE)).

0161
More TV and radio, fewer newspapers: Are rural areas left behind in the age of information?.
Donohue, G.A. ; Olien, C.N.~Tichenor, P.J. St. Paul, Minn. : The Service. Sociology of rural life - Minnesota University, Agricultural Extension Service. Fall 1987/Winter 1988. v. 9 (4). p. 1-2, 7-8. Includes references. (NAL Call No.: DNAL HT421.S63).

0162
Mothers and fathers: expectations for infants.
FCOOBE. Kliman, D.S. ; Vukelich, C. Saint Paul, Minn. : The National Council on Family Relations. Family relations. July 1985. v. 34 (3). p. 305-313. Includes references. (NAL Call No.: DNAL HQ1.F36).

0163
Multiperiod optimization: dynamic programming vs. optimal control: discussion.
Howitt, R.E. College Station, Tex. : Western Agricultural Economics Association. Western journal of agricultural economics. Dec 1982. v. 7 (2). p. 413-417. Includes 27 references. (NAL Call No.: HD1750.W4).

0164
Multiresource inventories--meeting future information needs (Forest resources, South Carolina pilot study).
McClure, J.P. Madison, Wis., Forest Products Research Society, 1980. Timber supply : issues and options : proceedings. p. 67-69. (NAL Call No.: SD435.T550).

0165
Multiresource inventories: meeting challenging new information needs (Natural resource assessment).
Dixon, G.E. (Bethesda, Md.) : Society of American Foresters, 1982. In-place resource inventories : principles & practices : proceedings, workshop, August 9-14, 1981, Univ. of Maine, Orono. / spon. American Society of Photogrammetry...(et al.) ; ed. T.B. Brann, L.O. House IV, H.G. Lund. p. 383-388. Includes references. (NAL Call No.: S494.5.D6I52).

0166
A multivariate logit analysis of farmers' use of financial information.
Garcia, P. ; Sonka, S.T.~Mazzacco, M.A. Ames, Iowa, American Agricultural Economics Association. American journal of agricultural economics. Feb 1983. v. 65 (1). p. 136-141. Includes 9

references. (NAL Call No.: 280.8 J822). Extract: A multivariate logit framework is used to model farmers' use of two important types of financial statements, the balance sheet and a pro forma cash flow statement. The decision to prepare either or both statements is considered simultaneously determined. Preparation of these statements is related to factors affecting expected costs and/or benefits of the information the statements contain. Characteristics of the farmers who now maintain financial statements are likely to become more typical in the future. This suggests the increased use of these statements is highly likely.

0167
National concerns about erosion and productivity.
Sampson, R.N. St. Joseph, Mich. : American Society of Agricultural Engineers, c1985. Erosion and soil productivity : proceedings of the National Symposium on Erosion and Soil Productivity, December 10-11, 1984, Hyatt Regency New Orleans, New Orleans, Louisiana. p. 1-8. (NAL Call No.: DNAL S624.A1N46 1984).

0168
A national program to increase food supply: the Mexican case.
De Arenas, J.L. ; Vaillancourt, P.M. Los Banos, Laguna, Philippines : Agric Libr Assoc of Philippines, Agric Inf Bank for Asia, 1981. Proceedings of the VIth World Congress of the International Association of the Agricutural Librarians and Documentalists : agricultural information to hasten development : Held 3-7 March 1980, Manila, Philippines. p. 287-291. Includes references. (NAL Call No.: DNAL Z675.A9I53 1980).

0169
The National Regional Research Planning System: an example from rural development.
Day, L.M. Amherst, The Council. Journal - Northeastern Agricultural Economics Council. Oct 1978. v. 7 (2). p. 35-38. 4 ref. (NAL Call No.: HD1773.A2N6).

0170
New challenges in forestry research.
Sullivan, J.D. S.l. : s.n. , 1985. Symposium on forest products research international--achievements and the future : 22-26 Apr 1985, Pretoria / org. National Timber Research Institute of the South African Council for Scientific and In. v. 7 p. 1.1.1-1.1.9. (NAL Call No.: DNAL SD356.3.S9 1985).

0171
Nutrition in cancer: Physicians' knowledge, opinions, and educational needs.
Cooper-Stephenson, Cynthia. ; Theologides, Athanasios. Chicago, The Association. Journal - American Dietetic Association. May 1981. v. 78 (5). p. 472-476. charts. 8 ref. (NAL Call No.: 389.8 AM34).
Abstract: A survey of physicians and medical students was undertaken to determine their knowledge, opinions, and educational needs relating to nutritional support of the cancer patient. Most physicians had little formal nutrition education; they answered 55% of the knowledge questions accurately, while the medical students were correct on 70%. Both groups had a better understanding of the effects of cancer and cancer therapy on nutritional status than they did of nutritional management. The primary source of nutrition information was the nutritionist for 51% of respondents, but physicians were somewhat reluctant to give responsibility for the patient's nutritional well being to the nutritionist. A majority of both groups acknowledged the value of nutritional management in cancer treatment and the need for continuing medical education. Awareness of the contribution that the dietitian-nutritionist can make to the health care team should be encouraged.

0172
Nutrition information and education needs of Canadian consumers.
Woolcott, Donna M. Toronto, The Association. Journal of the Canadian Dietetic Association. Jan 1981. v. 42 (1). p. 8-16. charts. 15 ref. (NAL Call No.: 389.9 C1632).
Abstract: The nutritional concerns most evident in Canada are related to overweight, heart disease, iron deficiency, dental caries and micronutrient deficiencies. Efforts to educate the public about the dietary guidelines have been spotty and not well evaluated. There is a general lack of nutrition knowledge and little understanding of its relevance on a personal basis. Surveys of consumer attitudes have revealed that the major source of nutrition information is mass media, which could be better utilized to bring nutrition to the public. Other methods of improving nutrition education would be through school curricula, nutrition labeling, and more responsible advertising.

0173
Nutrition monitoring; has its time come.
Washington : Community Nutrition Institute. Nutrition week. Sept 29, 1983. v. 13 (38). p. 4-6. charts. (NAL Call No.: TX341.C6 F&N).
Abstract: The Food and Nutrition Board (FNB) of the National Academy of Sciences sought information from users of nutritional data in order to make recommendations to USDA. USDA is the lead agency for gathering information on food consumption and nutritional status of the American people. The FNB recommends that nutrition monitoring information should be developed from 3 sources. A stratified probability sample could be used for longitudinal data collection of food intake. Health status indicators should be analygous to the stratified probability sample. Data from governmental and commercial sources should be concurrently analyzed by regiond and economic strata. Such a

system could: identify the nutritional adequacy of food supplies and practices; analyze health trends related to food usage; isolate health risk populations; identify health risks associated with food contaminants and components; establish a data base to evaluate health policies related to food fortification; and establish data to study diet and chronic diseases. Longititudinal studies would accumulate information on a yearly basis rather than a decade basis. A sample of the stratified format is given along with some of the problems associated with the collection of anthropomorphic data. (kbc)

0174
A nutrition scientist's view of food and nutrition education needs.
Leveille, Gilbert A. Chicago, Institute of Food Technologists. Food technology. Dec 1980. v. 34 (12). p. 56-57. charts. 2 ref. (NAL Call No.: 389.8 F7398).
Abstract: The needs for nutrition education are evident for consumers and health professionals. Consumers need current, relevant information that they can translate into food behavior; this can be accomplished by understanding consumer attitudes and perceptions. Effective nutrition education programs should be tailored for all age groups, and should include the general principles of nutrition, the relationship between diet and disease, the evaluation of nutrition information, and principles of food selection. Limiting factors have been lack of research on consumer needs and attitudes and lack of financial and human resources. The training of health professionals should include consumer education, recognizing and dealing with food misinformation, and understanding public policy-making.

0175
Nutrition surveillance in the United States.
Nichaman, M. New York : Plenum Press, 1980. Nutrition and food science, present knowledge and utilization / edited by Walter Santos...(et al). v. 1, p. 395-406. ill., charts. 5 ref. (NAL Call No.: TX359.I5 1978 F&N B-2731).
Abstract: Information is needed to quantify problems, plan programs, and measure the impact of nutrition intervention and public health projects in the U.S. A surveillance system is currently being developed by the Nutrition Division of the Center for Disease Control (CDC) to provide evaluation information, to monitor prevalence of nutritional disorders, and to identify targeted populations. Surveillance measures account for nutrition problems revealed by national nutrition surveys, and supply data on long-term trends in incidence of nutritional disorders. Specifically, the CDC has been working with state and local health departments to track anemia, overweight and growth retardation in children served by department programs and services. Since analytical measurements are routinely performed at the local level, only costs for data processing need be added to surveillance operations. Data indicating variation in the prevalence of nutrition problems within counties and ethnic and age groups are being used to make decisions concerning resource needs and allocation.

0176
Nutritional anthropologists and nutrition educators--potentials for a multidimensional world view.
Kolasa, Kathryn M. Berkeley, Society for Nutrition Education. Journal of nutrition education. 1981. v. 13 (1,suppl.1). p. S9-S11. 12 ref. (NAL Call No.: TX341.J6).
Abstract: Better communication between nutrition educators and nutritional anthropologists could benefit both disciplines. Terminology should be refined when necessary; different terms have developed for similar concepts. The ecological approach offers a common ground for research in both areas. An historical understanding of nutrition research and anthropology reveals the possibilities for broader perspectives. The holistic approach has validity for the study of food practices. Contributions from various anthropological fields to nutrition research center on cross-fertilization of ideas from literature, interactions of biological and cultural factors which affect intervention, greater attention to lifestyle, and participant observation as a methodological tool. While there are many areas of research that may be shared to mutual benefit, the differentiation of the two disciplines must continue to be recognized, particularly in formative evaluation. (cj)

0177
OECD conference: Local leadership and rural development, implications for extension.
Timmons, J.D. Paris, France : Organization for Economic Cooperation and Development, 1984. Local leadership and rural development : implications for research and extension : a Conference on "Local Leadership and Rural Development" held at Williamsburg, Va, April 15, 1984 / the OECD with the USDA and Va Ext Serv. p. 5-7. ill. (NAL Call No.: DNAL aHM141.C6 1984).

0178
OECD conference: Local leadership and rural development, implications for research.
Deaton, B.J. Paris, France : Organization for Economic Cooperation and Development, 1984. Local leadership and rural development : implications for research and extension : a Conference on "Local Leadership and Rural Development" held at Williamsburg, Va, April 15, 1984 / the OECD with the USDA and Va Ext Serv. p. 3-4. ill. (NAL Call No.: DNAL aHM141.C6 1984).

0179
On knowledge, policy, practice, and fate.
Orlans, Harold. Bethesda, Md., The Federation. Federation proceedings - Federation of American Societies for Experimental Biology. Nov 1979. v. 38 (12). p. 2553-2556. 10 ref. (NAL Call No.: 442.9 F31P).
Abstract: The contradictory components of public nutrition policy combine nutrition knowledge which is complex and incomplete, with users of that knowledge (administrators and politicians) who need information that is simple and practical. Since rational policy should be clear and realistic, scientists may generate data which is exaggerated or over-simplified. Policy-makers may in turn exhibit inflated expectations of their programs' goals. These problems justify both action and inaction in health and nutrition policy. The process of translation is seen as one where each decision-maker chooses selected fragments of knowledge he likes or understands; thus, policies are fractured in source and purpose, and result in programs meaning different things to different people. The Senate Select Committee's "Dietary Goals for the United States" exemplifies the controversy surrounding the practice of national nutritional policy-making.

0180
Out of the darkness. Informing the public about inherited vulnerability to alcoholism.
Casement, M.R. Rockville, Md. : U.S. Department of Health, Education, and Welfare. Alcohol health and research world - National Institute on Alcohol Abuse and Alcoholism. Winter 1987/1988. v. 12 (2). p. 114-119, 125. ill. Includes references. (NAL Call No.: DNAL HV5285.A43).

0181
Parent information manual: A vital link between home and school.
Hatfield, L.M. ; Sheehan, S.P. Redmond, Wash. : Child Care Information Exchange. Child care information exchange. May 1986. (49). p. 29-31. Includes references. (NAL Call No.: DNAL HV854.C46).

0182
Perceived information needs in corn production of farm management technicians in Leyte (Philippines).
Pestilos, B.S. ; Escalada, M.M. Leyte : Philippines : The College. Annals of tropical research : technical journal of the Visayas State College of Agriculture. Apr/June 1982. v. 4 (2). p. 103-109. Includes references. (NAL Call No.: SB111.A2A5).

0183
Pest information markets and integrated pest management.
Wetzstein, M.E. Gainesville, Fla., Southern Agricultural Economics Assoc. Southern journal of agricultural economics. Dec 1981. v. 13 (2). p. 79-83. 17 ref. (NAL Call No.: HD101.S6).
Extract: This paper investigates the market for pest information and discusses whether regulated markets would be more efficient than would unregulated markets. First, pest information characteristics are investigated in order to determine the effects of this input on production. Given the characteristics of pest information, a model is then developed to account for pest information and risk preference in a producer's decision function. The final section summarizes the results and explores the implications of unregulated versus regulated markets for pest information.

0184
Planning and management of education within integrated rural development projects in India.
Seetharamu, A.S. Paris : Unesco, International Institute for Educational Planning, 1985. Education and rural development : issues for planning and research / edited by Dieter Berstecher, with contributions from M. Balaghatullah ... et al. . p. 136-179. maps. (NAL Call No.: DNAL LC5148.D44E38).

0185
Planning settlements in arid landssatisfying information needs for planning with mathematical models and computer technology. --.
Nairobi : United Nations Centre for Human Settlements (Habitat), 1984. "HS/28/83.E"--t.p. verso. 44 p. : ill. ; 30 cm. Bibliography: p. 41-42. (NAL Call No.: DNAL HN980.P55).

0186
The political economy of agricultural research and extension: grants, votes, and reapportionment.
Rose-Ackerman, S. ; Evenson, R. Ames, Iowa : American Agricultural Economics Association. American journal of agricultural economics. Feb 1985. v. 67 (1). p. 1-14. Includes 43 references. (NAL Call No.: DNAL 280.8 J822).
Extract: This paper seeks to identify the economic and political factors that produce state financial support for agricultural research and extension. State demand for research and extension services is found to be influenced not only by the level of farm income and population but also by measures of intergovernmental influence and the political effectiveness of farmers. Federal grants have "price" effects which stimulate state spending; the reapportionment of state legislatures mandated by the U.S. Supreme Court had a negative effect, while the ability of farmers to elect other farmers to the legislature increases state support for research and extension.

0187
Pricing efficiency and information use in risky markets.
Buccola, S.T. Ames, Iowa : American Agricultural Economics Association. American journal of agricultural economics. This paper was presented at the "Annual Meeting at the American

Agricultural Economics Association," held Aug. 5/8, 1984, Ithaca, N.Y.~ Includes statistical data. Dec 1984. v. 66 (5). p. 709-716. Includes 17 references. (NAL Call No.: DNAL 280.8 J822).
Extract: The purpose of the present paper is to distinguish various notions of an efficient price and to discuss problems in the assessment and achievement of pricing efficiency. Emphasis is placed on the information content and time domain of prices.

0188
The Principal players in your organization's information system.
Barnard, Janet C.SPMNA. New York : American Management Association. Supervisory management. June 1983. v. 28 (6). p. 20-24. ill. (NAL Call No.: 249.38 SU72).
Abstract: The importance of understanding how information is communicated within the company and between the company and its external environment is discussed. Two networks exist: one formal and one informal. The relationship among people in the communication networks and their relationship to the supervisor are the vital keys to staying informed. The key principals must be identified: the gatekeeper (screens people and messages, and controls the accessibility of information); the opinion leader (a trend-setter who must be listened to and respected); and the boundary-spanner (one who seeks out and screens information from the environment and makes it available as appropriate inside the organization. A wise manager will use the communication network in order to enhance effectiveness. (kbc)

0189
Priorities for evaluation of federal nutrition programs.
New York, Nutrition Foundation. Nutrition reviews. May 1979. v. 37 (5). p. 157-159. (NAL Call No.: 389.8 N953).
Abstract: The major food and nutrition programs administered by the Food and Nutrition Service of USDA are the Food Stamp Program, funded at $5.8 billion; the school feeding programs, funded at $2.53 billion; and the Supplemental Food Program for Women, Infants, and Children (WIC), costing $550 million. Evaluation of these programs is essential to ensure the greatest nutritional benefit at least cost. The framework for evaluation should take into consideration the information needs of the agencies involved, standardization of performance data, the factors which influence the program validity, and cost-benefit analysis. The actual nutritional benefits of these programs have not been documented well enough to provide guidelines for deciding where money is best spent--a definitive evaluation would solve the problem, as well as clarifying participant eligibility. Since the Science and Education Administration is responsible for evaluating USDA nutrition programs, it is unfortunate that there is no specific program evaluation budget item in FY79 or 80, and that a 6% budget cut in FY80 is estimated.

0190
Proceedings / Grace Petot and Harold B. Houser. -.
; Petot, Grace.~Houser, Harold B. Ann Arbor, Mich. Nutrition Planning Information Service 1980. 107 p. (NAL Call No.: TX345.N32 1979 F&N E-3640).
Abstract: Issues and concerns of users of computerized nutrient data bases are discussed. Following a review of the previous 3 conferences addressing this topic, a data base survey update is presented. The current state-of-the-art of nutrient data banks is reviewed, addressing such areas as: food composition and nutrient data sources; data storage and organization; implementation in hospital settings; and interactions among information users, suppliers, information processors, and those who generate the data file. Six users evaluate applications of nutrient data bases in education, hospitals, the food industry, research, nutrient analysis services, and computer systems. A keynote address focuses on information systems for research, practice, and education. (nm)

0191
A producer's willingness to pay for information under price uncertainty: theory and application.
SECUA. Roe, T. ; Antonovitz, F. Chapel Hill, NC : Southern Economic Association. Southern economic journal. Oct 1985. v. 52 (2). p. 382-391. Includes 10 references. (NAL Call No.: DNAL 280.8 SO84).
Extract: The central focus of this paper is the development of an easily computable money metric of an agent's willingness to pay for information under risk. Empirical estimates of the value of information are important for obtaining insights into issues such as the informational efficiency of alternative market structures, the effects of the quality of agent's conditional forecasts of market prices on the efficiency of resource use and the social profitability of information supplied by private enterprise and public agencies.

0192
Product familiarity and learning new information.
Johnson, E.J. Pasadena, Calif. : The Journal of Consumer Research. Journal of consumer research. June 1984. v. 11 (1). p. 542-550. ill., charts. Includes 38 references. (NAL Call No.: DNAL HF5415.3.J6).
Abstract: Product familiarity affects consumer choice and impacts the consumers ability to look for and understand new information. Three stages are evident in the development of the expert or knowledgeable consumer: 1) Knowledgeable consumers are aware of existing products which decreases search alternatives; 2) Knowledgeable consumers can encode new information which

stimulates searching for and learning about new choices; 3) Knowledgeable consumers listen to relevant information and discard irrelevant information and perform a more selective search for information. These 3 stages are illustrated using 2 tasks closely associated with measuring consumer preferences: a choice task and a judgement task. A discussion associated with the analysis of these behaviors explains the method used to determine product familiarity. These results suggest that with more product familiarity consumers seek more information about a given brand. (kbc)

0193
Production and operations management.
Babb, E.M. New York : John Wiley. Agribusiness, an international journal. Paper presented at the "American Agricultural Economics Association Post-Conference Workshop on Research Issues in Agribusiness Management", July 30-31, 1986, Reno, Nevada. Winter 1986. v. 2 (4). p. 421-429. Includes 22 references. (NAL Call No.: DNAL HD1401.A56).

0194
Professional networks and local officials: a missing link in small government management.
Waltzer, H. ; Russo, P.A. Jr.~Gump, W.R. Washington, D.C. : U.S. Department of Agriculture, Economic Research Service. Rural development perspectives. June 1986. v. 2 (3). p. 35-39. ill. (NAL Call No.: DNAL aHN90.C6R78).

0195
Profiles in management and performance for assessment of information needs.
CJAEA. Driver, H.C. ; Dnwona, S.O. Ottawa : Canadian Agricultural Economics Society. Canadian journal of agricultural economics = Revue Canadienne d'economie rurale. July 1986. v. 34 (2). p. 155-176. Includes 20 references. (NAL Call No.: DNAL AGE 281.8 C16).

0196
Publication patterns in entomology: an example based on aquatic insects.
Resh, V.H. Lanham, Md. : The Society. Bulletin of the Entomological Society of America. Fall 1988. v. 34 (3). p. 145-150. Includes references. (NAL Call No.: DNAL 423.9 EN8).

0197
Publications of the Entomological Society of America: a descriptive study of patterns of use.
Bentz, B.J. ; Coulson, R.N.~Pulley, P.E.~Stock, M.~Robertson, J.L.~Schaefer, C.W. College Park, Md. : The Society. Bulletin of the Entomological Society of America. Winter 1987. v. 33 (4). p. 230-238. Includes references. (NAL Call No.: DNAL 423.9 EN8).

0198
Putting extension information where people will find it.
Pounds, D. Madison : Extension Journal. Journal of extension. Winter 1985. v. 23. p. 20-23. Includes 3 references. (NAL Call No.: DNAL 275.28 J82).

0199
Quality decisions start with good questions.
Kirby, Peter G. New York, American Management Association. Supervisory management. Aug 1980. v. 25 (8). p. 2-7. (NAL Call No.: 249.38 SU72).
Abstract: Effective decision-making procedures are dependent on information collecting and processing to define the problem, assess alternatives and implement action. Knowing what questions to ask and how and when to ask them are the keys to information collection. Questions fall into 1 of 4 categories: opportunity, which initiates a broad discussion; problem, which focuses on a specific situation; expanding, which develops further information; and narrow, which restricts answers to yes or no. These questions, in addition to problem solving, can be used in interviews, performance appraisal, discipline and planning for group and individual sessions.

0200
Reaching magazine readers.
McNutt, Kristen W. Washington, D.C., Community Nutrition Institute. The Community nutritionist. July/Aug 1983. v. 2 (4). p. 4-8. (NAL Call No.: DNAL FNC TX341.C64 F&N).
Abstract: Nutrition information reaches the consumer through a variety of channels. A 1980 survey found that 35% of consumers obtained nutrition information from magazine and newspaper articles. Seven ways one popular magazine provides nutrition, diet and weight control information is explained. The amount of information provided by any publication is related to available space and time. Most magazine articles are prepared or outlined 6-12 months before publication, and must present a balance view of newsworthiness and scientific consensus. Magzines tailor articles to the interest and needs of its readers. A number of diet articles published between January 1981 and March 1983 demonstute this principle. Ways to use the media to disseminate nutrition information are suggested for community nutritionists. (kbc)

0201
Region undertakes revitalization efforts.
Korsching, P. Ames, Iowa : North Central Regional Center for Rural Development. Rural development news. Feb 1988. v. 12 (1). p. 10-11. (NAL Call No.: DNAL HN79.A14R87).

0202
Report and recommendations on organic farming / USDA Study Team on Organic Farming. -.
Washington, D.C. U.S. Dept. of Agriculture 1980. Original title commonplace. 94 p. Includes bibliographic references. (NAL Call No.: S605.5.U52 F&N E-3590).
Abstract: A comprehensive USDA study of organic farming in the U.S., Japan, and Europe is focused on the rationales for choosing this method, the sociopolitical influences, technology and management systems, economic factors and success, research and educational needs, and implementation methods. Interest in organic farming is increasing as the adverse effects of intensive chemical farming become better known, such as costs and availability of energy and chemical fertilizer, decline of soil productivity, environmental pollution, health hazards, and the decline of the family farm and local marketing. A few of the findings of the study are that the organic farming movement covers a wide spectrum of practice and is not limited by size; is motivated by concerns for conservation, health, and cost control; uses modern techniques, equipment, and management practices; is suited to crop-livestock interdependence; and is more labor intensive, less energy consuming, and less profitable than conventional farming.

0203
Research needs of tropical rain forests of India.
IFORA8. Bahuguna, V.K. Dehra Dun : N.M. Misra. The Indian forester. Dec 1986. v. 112 (12). p. 1049-1057. Includes references. (NAL Call No.: DNAL 99.8 IN2).

0204
Retail fertilizer plant costs, efficiency and profit, 1980 summary.
Helwer, S.L. ; Downey, W.D. West Lafayette, The Station. Station bulletin - Dept. of Agricultural Economics, Agricultural Experiment Station, Purdue University. June 1981. Predominantly tables. June 1981. (334). 56 p. (NAL Call No.: HD1775.I6I5).
Extract: A report in summary form of the operating and financial data collected from a non-random sample of retail fertilizer plants. This bulletin reports summarized data for 70 midwestern retail fertilizer plants for 1980. The primary objective of this project is to develop a system of management information that will aid management decisions at the retail level in fertilizer distribution. This information will allow management to evaluate the efficiency of a particular retail fertilizer plant in light of other similar plants.

0205
Rural libraries and information needs.
Head, J.W. Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College. Rural libraries. Summer 1980. v. 1 (3). p. 21-27. (NAL Call No.: Z675.V7R8).

0206
Selection of in-place resource inventory systems to meet operational and strategic planning information needs (Natural resource management).
Bentley, W.R. (Bethesda, Md.) : Society of American Foresters, 1982. In-place resource inventories : principles & practices : proceedings, workshop, August 9-14, 1981, Univ. of Maine, Orono, / spon. American Society of Photogrammetry...(et al.) ; ed. T.B. Brann, L.O. House IV, H.G. Lund. p. 576-579. Includes references. (NAL Call No.: S494.5.D6I52).

0207
Serving small community information needs through academic programs.
Garkovich, L. Greenwich, Conn. : JAI Press. Research in rural sociology and development. Literature review. 1985. v. 2. p. 257-273. Includes references. (NAL Call No.: DNAL HT401.R47).

0208
Small timber inventory information: is it adequate for utilization planning?.
FPJOA. Fiedler, C.E. ; Keegan, C.E. III-Gonsior, M.J.-Barger, R.L.-Mandzak, J.M. Madison, Wis. : Forest Products Research Society. Forest products journal. Mar 1988. v. 38 (3). p. 63-66. (NAL Call No.: DNAL 99.9 F7662J).

0209
Social science knowledge and institutional change.
Ruttan, V.W. Ames, Iowa : American Agricultural Economics Association. American journal of agricultural economics. This paper was presented at the "Annual Meeting at the American Agricultural Economics Association," held Aug. 5/8, 1984, Ithaca, N.Y. Dec 1984. v. 66 (5). p. 549-559. Includes 64 references. (NAL Call No.: DNAL 280.8 J822).
Extract: This paper suggests an approach to thinking about the sources of demand and supply for institutional change. It then proceeds to explore the use of social science knowledge, and the role of social scientists, in the design and evolution of institutional innovations. Finally, it examines the contribution of agricultural economics research and of agricultural economists to the design and evolution of the "direct payment" approach to farm price and income policy.

0210
Sociological needs of farmers facing severe economic problems.
FFIUA. Heffernan, W.D. ; Heffernan, J.B. Oak Brook, Ill. : Farm Foundation. Increasing understanding of public problems and policies. 1986. p. 90-102. Includes references. (NAL Call No.: DNAL 275.29 F22).

0211
Some concepts and definitions useful to agricultural economists working in the "informational age".
Fuller, E.I. St. Paul : The Department. Staff paper P - University of Minnesota, Dept. of Agricultural and Applied Economics. June 1983. June 1983. (83-13). 9 p. Includes 3 references. (NAL Call No.: HD1761.A1M5).

0212
Some concepts for measuring the economic value of rural data.
Bullock, J.B. Lexington, Ky., American Agricultural Economics Association. American journal of agricultural economics. May 1981. v. 63 (2). p. 346-352. 15 ref. (NAL Call No.: 280.8 J822).
Extract: The purpose of this paper is to examine the current state of theoretical and methodological approaches to valuing information systems and to identify some of the problems and issues that confront efforts to determine the economic value of information systems.

0213
Some concepts for measuring the economic value of rural data: discussion.
Miller, T.A. Lexington, Ky., American Agricultural Economics Association. American journal of agricultural economics. May 1981. v. 63 (2). p. 363-364. 3 ref. (NAL Call No.: 280.8 J822).

0214
Some information needs .or USDA agencies in decision-making (Remote sensing).
Johnson, W.M. Ankeny, Iowa : Soil Conservation Society of America, c1982. Remote sensing for resource management / edited by Chris J. Johannsen and James L. Sanders. p. 493-501. ill. 10 ref. (NAL Call No.: G70.4.R457).

0215
Sources of information and technical assistance for farmers in controlling soil erosion.
Bultena, G.L. ; Hoiberg, E.O. Ankeny, Iowa : Soil Conservation Society of America, c1986. Conserving soil : insights from socioeconomic research / Stephen B. Lovejoy, Ted L. Napier, editors. Paper presented at a symposium, "Soil and Water Conservation: Implications of Social and Economic Research for Policy Development and Program Implementation," June 3/5, 1985, Zion, Illinois. p. 75-82. Includes references. (NAL Call No.: DNAL HD256.C64).

0216
Specification of micro risk models for farm management and policy research.
Robison, L.J. ; King, R.P. East Lansing, The Department. Agricultural economics report - Michigan State University, Department of Agricultural Economics. Dec 1978. Dec 1978. (349). 25 p. 28 ref. (NAL Call No.: 281.9 M5842).
Extract: This paper illustrates a new methodology for finding preferred action choice(s) under uncertainty for well-defined classes of decision-makers. The methodology does not replace the expected utility maximizing rule, which has been used to identify preferred action choices; rather it extends the rule's accuracy as a positivistic tool and its reliability as a normative guide. The methodology used in this paper does, however, alter the kinds of information needed about decision-makers.

0217
Status of the conceptualization of agricultural information needs in Central America, and assistance priorities for developing information systems.
Boone, L. San Jose, IICA, Direccion de Informacion Publica de la Direccion General. Desarrollo rural en las Americas. May/Aug 1978. v. 10 (2). p. 103-108. 3 ref. (NAL Call No.: HD1790.5.A1D4).

0218
Structure of agriculture and information needs regarding small farms. -.
Washington, D.C. (1828 L Street, NW, Washington, D.C. 20036) The National Rural Center 1980. 215 p. in various pagings ; 28 cm. --. Includes bibliographical references. (NAL Call No.: HD1476.U5S7).

0219
Subsurface information contracts.
Washington, D.C. : The Staff. U.S. Forest Service EM - Engineering Staff. Paper presented at the "Forest Service Geotechnical Workshop," Sept 17-21, 1984, Lakewood, Colorado. July 1985. (7170-6). p. 28-35. (NAL Call No.: DNAL aSD388.A1U55).

0220
Survey of physician and patient nutrition education needs.
Modrow, Christine L. ; Miles, Carolyn W.~Koerin, Sid.~Dobek, Joan.~Book, Perri.~Honaker, Linda. Chicago, The Association. Journal - American Dietetic Association. Dec 1980. v. 77 (6). p. 686-688. charts. 3 ref. (NAL Call No.: 389.8 AM34).
Abstract: A survey of 63 physicians was done to determine if they provided nutrition information to patients, if they believed patients' nutrition education needs were being met, and if they used a dietitian's services either in their practices or on a referral basis. Almost all respondents said they had patients who could benefit from nutrition information. Comprehensive nutrition counseling was offered to 20% of patients with hypertension or cardiovascular problems, and 58% of pregnant patients. Major obstacles to more nutrition education were lack of time and knowledge; major sources of information were professional journals and continuing education courses. Many of the physicians would prefer to provide nutrition consultation for patients through referral (40%) or through a dietetics consultant on the staff (24%).

0221
Target on profit.
Pretzer, D.D. Washington, D.C. : The Administration. Extension review - United States Department of Agriculture. Fall 1987. v. 58 (4). p. 50. (NAL Call No.: DNAL 1 EX892EX).

0222
Terrestrial wildlife species information needs for activity planning.
Gladwin, D.N. (Bethesda, Md.) : Society of American Foresters, 1982.,In-place resource inventories : principles & practices : proceedings, workshop, August 9-14, 1981, Univ. of Maine, Orono, / spon. American Society of Photogrammetry...(et al.) ; ed. T.B. Brann, L.D. House IV, H.G. Lund. p. 47-51. Includes references. (NAL Call No.: S494.5.D6I52).

0223
This is how Rien Simonse, a plant protection specialist, works together with private information specialists. Zo werkt Rien Simonse, specialist gewasbescherming, samen met particuliere voorlichters. Dutch.
BDWKA. Loo, M. van der. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Sept 1985. v. 16 (9). p. 363-365. ill. (NAL Call No.: DNAL S11.B43).

0224
Toward a more comprehensive career planning program.
Cohen, Stephen L. ; Meyer, Herbert H. Swathmore, Pa., American Management Association. Personnel journal. Sept 1979. v. 58 (9). p. 611-615. ill. 2 ref.
Abstract: Human resource planning and assessment center technology are key components of a comprehensive career planning program. Job analysis information and human resource planning projections provide essential background information for career planning. Human resource planning projects the future needs of the organization, and this information provides the basis for realistic career planning and development. The assessment center approach provides for an intensive appraisal of supervisory and administrative skills and can serve as a powerful tool for helping both the individual and the organization determine the level of resources available for upward career mobility.
(NAL Call No.: 280.8 J824)

0225
Trends in use of recommended farm practices and farm information sources in 12 Kentucky neighborhoods.
Coughenour, C.M. ; Patel, N.B. Lexington : The Station. Progress report - Kentucky Agricultural Experiment Station. Documents available from: Agriculture Library, Agricultural Science Center - North, Lexington, Ky. 40546-0091.- Includes statistical data. Jan 1962. (111). 37 p. (NAL Call No.: DNAL 100 K41PR).

0226
Use and non-use of infomation in Australian agriculture.
Russell, H.M. ; Irvine, M.C. Amsterdam : North-Holland, 1984. The Use of information in a changing world : proceedings of the Forty-second FID Congress held in The Hague, the Netherlands, 24-27 September 1984 / edited by A. van der Laan and A.A. Winters. p. 289-298. Includes 31 references. (NAL Call No.: DNAL Z1008.F5 1984).

0227
The use and potential of optimal control models in agricultural economics.
Zilberman, D. College Station, Tex. : Western Agricultural Economics Association. Western journal of agricultural economics. Dec 1982. v. 7 (2). p. 395-405. Includes 29 references. (NAL Call No.: HD1750.W4).
Extract: This presentation will argue that control theory models are here to stay; that optimal control is a powerful tool which expands the range of issues dealt with by agricultural economists and increases their effectiveness. Therefore, it should become part of the mainstream tools of agricultural economics. After a sketchy description of optimal control models, some of their main applications and contributions to agricultural economics will be summarized, and then extremely promising avenues for future application will be presented using examples and tentative results.

0228
The use of transition matrices to derive missing data for the Canadian cattle industry.
Chan, M.W.L. Ottawa, Canadian Agricultural Economics Society. Canadian journal of agricultural economics. July 1979. v. 27 (2). p. 83-94. 23 ref. (NAL Call No.: 281.8 C16).

0229
Uses and users of costs and returns data: a needs analysis.
Miller, T.A. ; Skold, M.D. Lincoln, The Department. Agricultural economics report - University of Nebraska, Agricultural Experiment Station, Dept. of Agricultural Economics. June 1980. Also identified as Great Plains Agricultural Council Publication No. 95. Symposium titled "Developing and using farm and ranch cost of production and return data: an appraisal.". June 1980. (104). p. 1-16. 13 ref. (NAL Call No.: 281.9 N27).
Extract: The objectives of this paper are in part the objectives of the symposium: to provide a common understanding between researchers, extension economists, Federal government economists and policymakers concerning costs and returns concepts. It is hoped that this understanding will encourage cooperative work, aid in resolving some of the dilemmas in cost estimation, and increase the usefulness of costs and returns data.

0230
Utility of socio-economic research in wildlife management.
NAWTA. Langenau, E.E. Jr. Washington, D.C. : Wildlife Management Institute. Transactions of the ... North American Wildlife and Natural Resources Conference. 1984. (49th). p. 43-53. Includes references. (NAL Call No.: DNAL 412.9 N814).

0231
Value of information in forest fire management decisions.
Barrager, S.M. ; Conan, D. North-Holland : Elsevier Science Publishers, 1986. Systems analysis in forestry and forest industries / edited by M. Kallio ... et al. . p. 403-416. Includes 8 references. (NAL Call No.: DNAL SD387.M33S97).

0232
The value of information in risky markets: discussion.
Graham-Tomasi, T. Ames, Iowa : American Agricultural Economics Association. American journal of agricultural economics. This paper was presented at the "Annual Meeting at the American Agricultural Economics Association," held Aug. 5/8, 1984, Ithaca, N.Y.~ Includes statistical data. Dec 1984. v. 66 (5). p. 724-725. (NAL Call No.: DNAL 280.8 J822).

0233
The value of information in risky markets; discussion.
Knowles, G.J. Ames, Iowa : American Agricultural Economics Association. American journal of agricultural economics. This paper was presented at the "Annual Meeting at the American Agricultural Economics Association," held Aug. 5/8, 1984, Ithaca, N.Y.~ Includes statistical data. Dec 1984. v. 66 (5). p. 726-727. Includes 8 references. (NAL Call No.: DNAL 280.8 J822).

0234
Viewpoint of Raisin Bargaining Association, Inc. (farm price data).
Barserian, K.H. Washington, The Service. ESCS - U.S. Dept. of Agriculture, Economics, Statistics, and Cooperatives Service. July 1980. July 1980. (83). p. 43-45. (NAL Call No.: aHD1751.U56).

0235
Viewpoint of the Michigan Blueberry Growers Association (farm price data).
Shelford, J. Washington, The Service. ESCS - U.S. Dept. of Agriculture, Economics, Statistics, and Cooperatives Service. July 1980. July 1980. (83). p. 45-47. (NAL Call No.: aHD1751.U56).

0236
Watershed management problems in humid tropical uplands.
NAREB. Richter, D.D. ; Saplaco, S.R.~Nowak, P.F. Paris : Unesco. Nature and resources. Oct/Dec 1985. v. 21 (4). p. 10-21. ill. (NAL Call No.: DNAL GB651.N3).

0237
What foods should Americans eat - better information needed on nutritional quality of foods / by the Comptroller General. -.
Gaithersburg, Md. U.S. General Accounting Office 1980. CED-80-68, April 30, 1980. 92 p. : ill. (NAL Call No.: TX353.U56 F&N E-3646).
Abstract: Recommendations are presented for meeting the growing need of consumers, the food industry, and government, for better information on the nutritional quality of foods. In a report prepared for Congress and the Secretaries of the USDA and HEW, factors involved in the development of nationally accepted nutrition principles and dietary guidelines are discussed; particular attention is paid to controversial dietary components such as fat, salt, sugar, alcohol, cholesterol, and fiber. The need for complete and up-to-date data on the nutrient composition of foods is examined in light of the increasing complexity of the American food supply, consumer interest in health-promoting foods, and changing American lifestyles. Greater government participation is required to help consumers make food selection and nutrition decisions. Alternatives are suggested to improve food composition methodology, research, and data analysis. It is concluded that better information on the nutritional quality of food will also help the government effectively implement its regulatory and food programs. (nzm)

0238
What information is needed for wilderness fire management.
XGTIA. Evison, B. ; Roussopoulos, P.J. Ogden, Utah : The Station. USDA Forest Service general technical report INT - Intermountain Forest and Range Experiment Station. Paper presented at the "Symposium and Workshop on Wilderness Fire," Nov. 15/18, 1983, Missoula, Montana. Apr 1985. (182). p. 299-301. (NAL Call No.: DNAL aSD11.A48).

0239
Where will future agricultural marketing information come from: New Jersey peach market--a case study.
Thatch, D.W. ; Perkins, F.A. Amherst, Mass. : Northeastern Agricultural and Resource Economics Association. Northeastern journal of agricultural and resource economics. Apr 1985. v. 14 (1). p. 35-40. Includes 11 references. (NAL Call No.: DNAL AGE HD1773.A2N6).
Extract: Researchers and decision makers are currently faced with a reduced supply of agricultural marketing information at both federal and state levels. Although a number of on-site computer informational sources are available to help fill this gap, the data are relatively expensive and often not available in the form or detail needed at the farm level. This paper examines expected future sources of agricultural information in the public, private and semi-public/private sectors. A working model of a semi public/private

informational system is presented. The proposed self-help grower informational model system can be tailored to provide farm level data needed at a reasonable cost.

0240
Wilderness information specialists at portals: information disseminators and gatherers.
XGTIA. Schomaker, J.H. ; Lime, D.W. Ogden, Utah : The Station. USDA Forest Service general technical report INT - Intermountain Research Station. Paper presented at the "Conference on National Wilderness: Current Research," July 23-26, 1985, Fort Collins, Colorado. July 1986. (212). p. 489-493. ill. Includes references. (NAL Call No.: DNAL aSD11.A48).

0241
Wildfire prevention: new perspectives on an old problem.
Donoghue, L.R. Washington, D.C. : The Service. Fire management notes - United States Dept. of Agriculture, Forest Service. 1986. v. 47 (3). p. 15-18. (NAL Call No.: DNAL 1 F766FI).

0242
Wildlife information needs of Kentucky county extension agents.
McComb, W.C.TKASA. ; Bonney, S.A. Louisville : The Academy. Transactions of the Kentucky Academy of Science. Sept 1983. v. 44 (3/4). p. 106-110. maps. Includes references. (NAL Call No.: 500 K41).

0243
The working environment of the operator now and in the future.
TAPPA. Rice, G. Norcross, Ga. : The Technical Association of the Pulp and Paper Industry. Tappi journal. Nov 1988. v. 71 (11). p. 121-125. ill. (NAL Call No : DNAL 302.8 T162).

0244
Yield information needed for the analysis of crop improvement research.
MXMRA. Dalrymple, D.G. St. Paul, Minn. : The Station. Miscellaneous publication - University of Minnesota, Agricultural Experiment Station. Paper presented at a syposium sponsored by NC-148, Minneapolis, MN, May 12-13, 1980. May 12-13, 1980. (8-1981). p. 161-166. Includes Includes references in footnotes. references. (NAL Call No.: DNAL S1.M52).
Extract: Improvement in the methodology for the evaluation of research on crops needs to be matched by improvements in the measurement of the basic yield data. The initiation or expansion of farm-level trials offers one promising way to obtain more robust data at an earlier date. But they are likely to remain only in the promising category until more is known about them--the extent to which they are actually utilized, and their more precise advantages and limitations.

Abdullah, I. 141
Ackerman, N. 33
AGENA. 49
Aina, L.O. 116
Allworth, M.B. 11
ALSDA. 136
Alverson, L. 113
Amick, Richard Joe,. 132
Antonovitz, F. 156, 191
Armbruster, W.J. 45
Arosanyin, O.O. 101
Ashcroft, G.L. 26
Austin, James E. 93
Babb, E.M. 193
Badenhop, M.B. 109
Bahuguna, V.K. 203
Bancorft, L.~Nichols, T.~Stohlgren, T. 127
Barnard, Janet C.~SPMNA. 188
Barrager, S.M. 231
Barrett, J.R.~Peart, R.M. 50
Barserian, K.H. 234
Bartholic, J.F. 10
BDWKA. 56, 60, 75, 84, 223
Beck, D.M. 142
Bentley, W.R. 206
Bentz, B.J. 197
Berck, P. 40
Bernardo, F.A. 21, 22
Biggers, W. W. 57
Bingham, G.E. 26
Blodgett, C. William. 41
Bolen, Kenneth R. 63
Bonnen, J.T. 23, 59, 64
Bonney, S.A. 242
Boone, L. 217
Bradley, John. 89
Brown, J. 43
Buccola, S.T. 187
Bullock, J.B. 212
Bultena, G.L. 215
Buttel, F.H. 18
Casement, M.R. 180
Chan, M.W.L. 228
Chavas, J. 112
Chema, S. 15
CJAEA. 195
Conan, D. 231
Cohen, Stephen L. 224
Coltrane, R. 5
Cooper-Stephenson, Cynthia. 171
Coughenour, C.M. 225
Coulson, R.N.~Pulley, P.E.~Stock, M.~Robertson, J.L.~Schaefer, C.W. 197
Cowell, R.L. 31
CRPTD6. 12
Cude, B. 107
Czermak, Dagmar. 117
Dalrymple, D.G. 244
Daniel, R. 58
Daugherty, A.B. 61
Davison, R.P. 103
Day, L.M. 169
De Arenas, J.L. 168
De Datta, S.K. 31
Deaton, B.J. 178
Decker, D.J.~Brown, T.L.~Free, S.L.~Sauer, P.R. 55
Denechere, M.~PTFRA. 77
Dillman, D.A. 142
Dixon, G.E. 165
Donoghue, L.R. 241
Donohue, G.A. 161
Doris, P.A. 30
Downey, W.D. 204
Dozier, Mary Kay~Splett, Patricia~York, Pam Van Zyl~Brown, Judith. 130
Driver, H.C. 119, 195
Emerson, P.M. 24
EMNGD. 53, 152
Escalada, M.M. 182
Evenson, R. 186
Evison, B. 238
Favero, P. 69
FCOOBE. 162
FECMDW. 34
Felton, M.W. 68
FFIUA. 210
Fiedler, C.E. 208
Fleming, Phyllis L. 130
Fletcher, J.J. 36, 125
Ford, G.~Heinemann, D. 118
Fox, B.E. 17
FPJDA. 208
Framst, G. 119
Fuller, E.I. 211
Garcia, P. 166
Gardner, B. 71
Garkovich, L. 207
Gilbert, B. 82
Gladwin, D.N. 222
Golitz, M.F. 95
Goodman, Joseph Irving,~ 1908-. 57
Gow, D.D. 102
Graham-Tomasi, T. 232
Grant, I.M.~Watts, T.J.~Morley, F.H.W.~Caple, I.W. 11
Griffiths, Jose-Marie. 4
Hager, C.J. 42
Halter, A.N. 147
Hamlett, C.A. 47
Hanemann, W.M. 105
Hansen, W.J. 13
Harmon, B. 108
Harrison, G.A. 67
Harrison, G.L. 122, 134
Hatfield, L.M. 181
Haynes, D.L. 128
Head, J.W. 205
Heffernan, J.B. 210
Heffernan, W.D. 210
Helmuth, J.W. 45
Helwer, S.L. 204
Hepp, Ralph E. 121
Hepp, R.E. 120
Herpay, Balazsne. 79
Hester, S.B. 16
Hill, Marjorie. 148
Hoekstra, T.W. 123
Hogeland, J.A. 88
Hoiberg, E.O. 215
Hoover, Loretta W.~Moore, Aimee N. 35
Howitt, R.E. 163
Hubert, W.A. 152
Huff, H.B. 155
IFORA8. 203
Irvine, M.C. 226
Jacobs, J.J. 52
James, A.D. 15
JOARD. 144
Johnson, E.J. 192
Johnson, W.M. 214
Johnston, P.A. 144
Jones, B.L.~AGRFA. 6
JSWCA3. 36, 37
Just, R.E. 92
Kasavana, Michael L. 80
Keegan, C.E. III~Gonsior, M.J.~Barger, R.L.~Mandzak, J.M. 208
Keiter, R.B. 152
Kenney, M. 18
Kent, B. 82
Killcreas, W.E. 160
King, R.P. 216
Kinney, Jane. 4

Kirby, Peter G. 199
Kliman, D.S. 162
Kloosterboer-Buseman, J.A. 60
Knowles, G.J. 233
Kolasa, Kathryn M. 176
Kolb, R. 25
Korsching, P. 201
Kraft, S.E. 115
Krile, J.F. 108
Kur, C. Edward. 38
Lacombe. 135
Lai, K.C. 68
Langenau, E.E. Jr. 230
Layman, H.F. 29
Leinen, Norbert J. 41
Lent, P.C. 28
Leveille, Gilbert A. 174
Lewis, D.G. 61
Licea de Arenas, J. 143
Lime, D.W. 240
Loftis, J.C.~McBride, G.B. 53
Loo, M. van der. 223
Lovejoy, S.B. 37
Lynne, G.D. 9
MacBryde, B. 114
Magembe, S.R. 86
Maher, John H. Jr. 38
Maheswarappa, B.S. 136
Mahone, S.M. 67
Makuch, J.R. 87
Marsh, C.H. 46
Mattfeld, G.F. 55
Mazzocco, M.A. 85
McClure, J.P. 164
McComb, W.C.~TKASA. 242
McCool, S.F. 99
McDowell, J.E. 16
McIntosh, W.A.~Michalson, E. 115
McMarthy, M. Jr. 133
McNutt, Kristen W. 200
Meijerink-Straatman, A. 75
Meyer, Herbert H. 224
Miles, Carolyn W.~Koerin, Sid.~Dobek, Joan.~Book, Perri.~Honaker, Linda. 220
Miller, T.A. 213, 229
Mitchell, Andrew A.~ 1939-. 66
Modrow, Christine L. 220
Morss, E.R. 102
MXMRA. 244
Napier, T.L. 37
Napier, T.L.~Maetzold, J.A. 159
NAREB. 236
NAWTA. 55, 103, 230
Nelson, A.G. 19
Nelson, G.L. 23
Nichaman, M. 175
Nicol, K. 62
Nicol, K.J. 74
Nissan, A.H. 149
Olien, C.N.~Tichenor, P.J. 161
Oliver, P. 111
Olson, T.M. 120
Olson, Thomas M. 121
Onwona, S.O. 195
Orlans, Harold. 179
Parks, William S.~ William Scott. 14
Parsons, D. 127
Patel, N.B. 225
Patton, M.Q. 70
Pautsch, G.R.~Baumel, C.P. 47
Penning, M. 84
Perkins, F.A. 239
Perloff, J.M. 65, 78
Pestilos, B.S. 182
Petot, Grace.~Houser, Harold B. 190
Pope, R.D. 112
Pounds, D. 198
Pretzer, D.D. 221
Price, C.C. 39
QBALA. 116
Rae, Patrick D. [illegible]. 20
Rafsnider, G.T. 100
Raup, P.M. 150
Rausser, G.C. [illegible] 65
Ray, H.E. 32
Resh, V.H. 196
Rice, G. 243
Richter, D.D. 236
Robison, L.J. 216
Roe, T. 156, 191
Roeder, A. 54
Rose-Ackerman, S. 186
Roussopoulos, P.J. 238
Russell, H.M. 8, 157, 158, 226
Russo, P.A. Jr.~Gump, W.R. 194
Ruttan, V.W. 209
SAFJB. 51
Salop, S. 78
Sampson, R.N. 167
Saplaco, S.R.~Nowak, P.F. 236
Sattar, A. 140
Saupe, W.E. 137
Saupe, William E. 138
Schmidgall, Raymond S.~CNSLA. 80
Schomaker, J.H. 240
Schramm, H.J. 49
Seale, R.D. 46
SECJA. 191
Seetharamu, A.S. 184
Seitz, W.D. 125
Sheehan, S.P. 181
Sheffield, R.M. 3
Shelford, J. 235
Shick, Gay L. 35
Simpson, Ena. 20
Simunek, R.W. 73
Skold, M.D. 229
Skold, M.D.~Driscoll, R.S. 100
Smith, E.L. 151
Smith, L. 129
Smith, L.W. 5
Smith, R.D. 50
Smith, S.H. 97
Somers, B.M. 56
Sonka, S.T. 85
Sonka, S.T.~Mazzacco, M.A. 166
Sonka, S.T.~Mazzocco, M.A. 6
Spike, P.L. 145
Stallings, J.L. 122, 134
Sullivan, J.D. 170
Summers, C.E. 2
Swanson, D.H. 104
TAPPA. 149, 243
Tatchell, G.M. 12
Thatch, D.W. 239
Theologides, Athanasios. 171
Thomas, D. Woods. 132
Thomasma, David C. 90
Thraen, C.S. 159
Timmons, J.D. 177
Tinus, R.W. 44
Todd, G.D. 17
Trapp, J.N. 81
Trivedi, S.K. 136
UTSCB. 26
Vaillancourt, P.M. 168
Versfeld, D.B. 51
Voss, N. 153
Vukelich, C. 162
Walker, R. 107
Waltzer, H. 194
WARBA. 9
Ward, R.C. 53
Waters, W.E. 34
Webster, H.H. 94
Weiland, Gudrun. 124

Weimer, J. 43
Wellar, B.S. 110
Wenker, R.B. 98
Wetzstein, M.E. 183
Wiedemann, W. 153
Wiens, J.A. 118
Williams, J.T. 131
Woodward, M.D. 87
Woolcott, Donna M. 172
Woolverton, M.W. 141
WSWPA. 25
Wunderlich, G. 72
Wyatt, C. Jane. 1
XAEEA. 2
XAMPA. 61
XGNEA. 128
XGTIA. 127, 238, 240
Zand, Dale E. 139
Zeitlin, Marian F. 93
Zetka, E.F. 27
Zilberman, D. 227
1932-. 132

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